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STATISTICS of PAPER PAPERBOARD & WOOD PULP

AMERICAN PAPER INSTITUTE

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F O R E W O R D

We are pleased to present the Silver Anniversary edition of the American Paper Institute's **Statistics of Paper, Paperboard and Wood Pulp**.

The Statistics of Paper, Paperboard and Wood Pulp is designed to present an up-to-date comprehensive statistical compendium of the paper and paperboard industry. In addition to the statistics on production, imports, exports, consumption, finances, prices, employment and wage rates, this report compares paper and paperboard new supply by major grades with population and total economic activity as measured by the real Gross National Product.

The current edition follows the format instituted in the 1981 report, combining the tables into four functional groupings. Also included is a supplement showing Bureau of the Census data on construction paper and board and wet machine board, together with the import and export data used to calculate the paper and paperboard new supply data shown on Table X.

This report also provides new data on indexes of pulp, paper, paperboard and converted products prices as published by the Bureau of Labor Statistics. The BLS has restructured its index classifications to conform to the standard industrial classification codes. Price indexes for 1979-1986, based on the old BLS code, are also shown.

Each section starts with a brief description and explanation of the tables contained in that section.

We welcome any comments or suggestions you may have and hope you will find this report useful.

Red Cavaney
President

August 1987

TABLE OF CONTENTS

TABLE & CHART NUMBERS		PAGE
	SECTION I - Production and Related Output Data	1
I	U. S. Paper and Board Production Imports, Exports and Consumption - 1899 - 1986	2
Chart I	Paper and Board Production, New Supply and Real Gross National Product - 1959 - 1986	3
IA	Paper plus Paperboard Production, Imports, Exports, New Supply - 1959 - 1986	4
Chart IA	Paper plus Paperboard Production, New Supply, Ratio of New Supply to Real GNP - 1959 - 1986	5
II	Total Paper Shipments - 1959 - 1986	6
III	Paperboard Production - 1955 - 1986 by End Use	10
IV	Containerboard Production - For Domestic Use - 1955 - 1986	12
V	Bleached Paperboard Production - 1960 - 1986	14
VI	Paperboard Production by Region - 1965 - 1986	16
VII	Paperboard Production By Grade and Type - 1968 - 1986	20
VIII	Paperboard Production by Months - 1986	24
IX	Consumption of Containerboard at Box Plants by Months - 1986	24
X	Paper and Board Production, New Supply/Gross National Product - 1959 - 1986	26
XI	Paper and Paperboard Capacity - 1974 - 1989	30
XII	Wood Pulp Capacity - 1974 - 1989	32
XIII	Imports - Wood Pulp, Paper, Paperboard and Products - 1981 - 1986	34
XIV	Exports - Wood Pulp, Paper, Paperboard and Products - 1981 - 1986	36
XV	Value of Shipments of Paper & Allied Products by Product Class - 1980 - 1985	38
	SECTION II - Regional Data	39
XVI	Paper and Board Production by State - 1984 - 1985	40
XVII	Capacity of Wood Pulp, Paper and Paperboard Mills by Census Division - 1970, 1981-1985, 1989	42
XVIII	Paper and Allied Products - 1985 State Data from the 1985 Survey of Manufactures	44
	SECTION III - Inputs and Related Data	45
Chart 2	Changing Fuel Mix - 1972 - 1986	47
XIX	Estimated Fuel and Energy Use - 1972, 1982 - 1986	48
XX	Recyclable Paper Utilization and Recovery - 1970 - 1986	50
XXI	Recyclable Paper Utilization and Recovery by Grade of Waste Paper - 1978 - 1986	51
XXIIA	Wood Pulp Production, Total - 1974 - 1986	52
XXIIB	Market Wood Pulp Production - 1974 - 1986	52
XXIII	Consumption of Wood Pulp, Pulpwood and Other Fibrous Materials - 1974 - 1986	53
XXIV	Wage Rates and Employment, Paper and Allied Products - 1970 - 1986	54
XXV	Output per Man Hour, Pulp, Paper and Paperboard Mills - 1947 - 1986	56
XXVI	Employee Costs from Gross National Product Accounts, Paper & Allied Products - 1948 - 1986	57
XXVII	Capital Expenditures, Paper and Allied Products - 1947 - 1986	58
XXVIIIA	Capital Expenditures on Environmental Protection at Pulp, Paper & Paperboard Mills - 1966 - 1987	59
XXVIIIB	Expenditures on Research and Development - 1966 - 1987	59
XXIX	Wood Supply and Demand - 1976	60
	SECTION IV - Financial and Related Data	61
XXX	Paper & Allied Products Sales, Earnings & Related Data - 1950 - 1986	62
XXXI	Wholesale & Producer Price Indexes: Paper &Allied Products by Type and Grade - 1979 - 1986	64
XXXII	General Statistics on the Paper and Allied Products Industry - 1984 - 1985	66
	SECTION V - Supplement	67
XXXIII	Wet Machine Board Production, Imports, Exports, New Supply - 1947 - 1986	68
XXXIV	Construction Paper and Board Production, Imports, Exports, New Supply - 1947 - 1986	69
XXXV	Imports of Paper Used to Compute New Supply - 1959 - 1986	70
XXXVI	Exports of Paper and Paperboard Used to Compute New Supply - 1959 - 1986	71
XXXVII	Paper and Allied Products - 1984 State data from the 1984 Survey of Manufactures	72
	INDEX	73

SECTION 1

PRODUCTION AND RELATED OUTPUT DATA

Highlights of 1986

In 1986, the U.S. Pulp, Paper and Paperboard industry made a strong recovery from its depressed 1985 levels, with paper, paperboard, total wood pulp and market wood pulp all moving to record highs. The strength reflected the impact of the rising trend in total economic activity, changes in inventory policies by consumers as they rebuilt the inventories run-off in 1985, and declines in the value of the dollar in international markets.

The major increases occurred in the paperboard grades, which had been strongly influenced by both inventory changes in the domestic market and the high dollar in international markets in 1985. Among the paperboard grades, the major production increases in 1986 were in the containerboard grades -- linerboard and corrugating medium -- reflecting the strong demand for corrugated shipping containers. In addition, demand for the various boxboard grades -- folding boxboard and milk cartons and food service -- also rose sharply, as did production of paperboard for export. The rising trend in boxboard production reflected new strength in a market that had long shown little growth.

Among the paper grades, the major gains were in printing-writing products, largely reflecting strength in demand for coated papers and uncoated free sheet papers. Coated paper shipments had declined rather sharply in 1985 under the impact of inventory reductions by end-users and a rising trend of imports. The trend in imports flattened in 1986, inventory policies were reversed and the subsequent increases in demand were met by shipments from domestic mills. Most of the increase in coated paper demand came from commercial printers and book publishers, while demand for coated paper by magazine publishers showed only modest increases. The increase in demand in uncoated free sheet papers reflected the continued expansion in the use of form bond papers -- largely computer papers -- and office copy papers.

The data shown for printing-writing paper shipments have been revised back to 1968, reflecting a shift of certain grades from printing-writing to special industrial papers. While these papers are similar to printing-writing papers in furnish, they are used for industrial rather than printing or writing purposes.

These changes are also reflected in the supply/demand data shown in table 10.

Description of Tables

Table I presents data on production, imports, exports and new supply of total paper and paperboard, including construction grades, together with the per capita new supply, real GNP and the ratio of new supply to real GNP for selected years from 1899 to 1986. The data for 1982-1985 have been revised to conform to the revisions in paper production. Chart 1 portrays the major trends shown in Table I for the 1959-1986 period.

Table IA and Chart A present similar data for paper plus paperboard alone, in order to show data consistent with those published in the API's "Paper, Paperboard and Wood Pulp Monthly Statistical Summary". The data for 1982-1985 have been revised to conform to the revisions in paper production.

Table II presents detailed data on production of paper by grade. The data for 1968-1985 have been revised to conform to changes in the printing-writing and "other paper" grades. Tables III - IX present similar data for production of paperboard. The paperboard trends for the period 1968 through 1986, by type of board and by major market use, are shown in Table VII.

Table X presents data on new supply of paper and paperboard, by grade, together with the ratios of new supply to real GNP for the period 1959 to 1986. The trends for the individual grades show their respective growth rates relative to that of total economic activity. The import and export data used to compute new supply are shown in Tables XXIV and XXV. Data on imports of newsprint, groundwood paper and coated paper are those reported by the API's Printing-Writing Division, while the paperboard export data are those collected by Paperboard and Fourdrinier Kraft Board Divisions as production for export.

Tables XI and XII present data on paper, paperboard and wood pulp capacity, by grade, for the period 1974 to 1989, as reported in the API's Capacity Surveys.

Tables XIII and XIV present data on imports and exports of paper and allied products for the years 1981 - 1986 based on data from the Foreign Trade Division of the Bureau of the Census, grouped into categories matching those used to report production (See Tables II-XI). The export data differ somewhat from the API reports on production for export for many reasons, including timing.

Table XV presents data on the value of shipments of the various products reported at the 5-digit level of the Bureau of Census product codes for the Paper and Allied Products Industry Group for the years 1980 to 1985 as reported by the Bureau of the Census.

TABLE I

PAPER AND BOARD

(Includes Wet Machine Board and Construction Grades)

PRODUCTION, IMPORTS, EXPORTS AND NEW SUPPLY

1899 - 1986

YEAR	Production	Imports (Inc. Products)	Exports	New Supply*	Population Millions	Per Capita New Supply --lbs.--	Real Gross National Product $Bil.1982 Prices	Ratio of New Supply to Real GNP 000Tons/Bil.$
	(Thousand Tons)							
1899	2,168	-	-	2,168	74.9	57.9	-	-
1919	5,966	708	421	6,253	105.1	119.0	-	-
1929	11,140	2,534	262	13,412	121.8	220.2	709.6	18.9
1934	9,187	2,265	163	11,289	126.5	178.5	536.7	21.0
1939	13,510	2,687	249	15,948	131.0	243.5	716.6	22.3
1944	17,183	2,576	314	19,445	138.9	280.0	1,330.6	14.6
1947	20,800	4,121	460	24,461	144.1	339.5	1,066.7	22.9
1948	21,532	4,582	377	25,737	146.6	351.1	1,108.7	23.2
1949	20,098	4,752	367	24,483	149.2	328.2	1,109.0	22.1
1950	23,992	5,006	364	28,634	152.3	376.0	1,203.7	23.8
1951	25,699	5,143	631	30,211	154.9	390.1	1,328.2	22.8
1952	24,008	5,190	584	28,614	157.6	363.1	1,380.0	20.7
1953	26,182	5,229	471	30,940	160.2	386.3	1,435.3	21.6
1954	26,411	5,165	682	30,894	163.0	379.1	1,416.2	21.8
1955	29,649	5,346	839	34,156	165.9	411.8	1,494.9	22.9
1956	30,901	5,780	775	35,906	168.9	425.2	1,525.6	23.5
1957	30,097	5,410	863	34,644	172.0	402.8	1,551.1	22.3
1958	30,214	5,092	847	34,459	174.9	394.0	1,539.2	22.4
1959	33,748	5,517	906	38,359	177.8	431.5	1,629.1	23.6
1960	33,904	5,633	1,020	38,517	180.7	426.3	1,665.2	23.1
1961	35,178	5,678	1,210	39,646	183.7	431.6	1,708.7	23.2
1962	37,062	5,740	1,187	41,615	186.5	446.3	1,799.4	23.1
1963	38,647	5,669	1,333	42,983	189.2	454.4	1,873.3	23.0
1964	40,962	6,209	1,694	45,477	191.9	474.0	1,973.3	23.1
1965	43,455	6,585	1,770	48,270	194.3	496.9	2,087.6	23.1
1966	46,701	7,358	1,942	52,117	196.6	530.2	2,208.3	23.6
1967	46,568	6,952	2,085	51,435	198.7	517.7	2,271.3	22.6
1968	50,134	6,842	2,625	54,351	200.7	541.6	2,365.6	23.0
1969	52,913	7,258	2,749	57,422	202.7	566.6	2,423.3	23.7
1970	51,671	7,115	2,817	55,969	205.1	545.8	2,416.2	23.2
1971	53,162	7,406	3,118	57,450	207.7	553.2	2,484.8	23.1
1972	57,433	7,676	3,069	62,040	209.9	591.1	2,608.5	23.8
1973	59,900	8,131	3,027	65,004	211.9	613.5	2,744.0	23.7
1974	59,040	8,065	3,797	63,308	213.9	591.9	2,729.3	23.2
1975	50,976	6,253	3,116	54,113	216.0	501.0	2,695.0	20.1
1976	58,329	7,142	3,456	62,015	218.0	568.9	2,826.7	21.9
1977	60,040	7,432	3,230	64,242	220.2	583.5	2,958.6	21.7
1978	62,047	9,113	3,373	67,787	222.6	609.0	3,115.2	21.8
1979	64,345	9,123	3,672	69,796	225.1	620.1	3,192.3	21.9
1980	63,537	8,780	5,214	67,103	227.8	589.1	3,187.2	21.1
1981R	64,259	8,339	4,641	67,957	230.1	590.7	3,248.7	20.9
1982R	60,962**	8,024	4,246	64,740	232.5	556.9	3,166.0	20.4
1983R	66,764**	8,986	4,569	71,181	234.8	606.3	3,279.1	21.7
1984R	70,268**	11,075	4,387	76,956	237.0	649.4	3,501.4	22.0
1985R	68,830**	11,522	4,071	76,281	239.3	637.5	3,607.5	21.2
1986P	72,662**	11,936	4,832	79,766	241.6	660.3	3,713.3	21.5

SOURCE: Production 1899-1958 - Department of Commerce, Bureau of the Census
Production 1959-1986 - American Paper Institute
Imports and Exports - Department of Commerce, Bureau of the Census
Population - Department of Commerce, Bureau of the Census
Real Gross National Product - Department of Commerce, Bureau of Economic Analysis
All calculations by American Paper Institute

NOTE: Production, Imports and Exports 1899-1944 includes Hard Pressed Board.
Population data include Armed Forces overseas.
R - Revised P - Preliminary

* New Supply = Production plus Imports less Exports; includes imports and exports of products.

** Includes API estimate for construction and wet machine board grades: 1982 - 1,662,000 tons; 1983 - 1,800,000 tons; 1984 - 1,800,000 tons; 1985 - 1,800,000 tons; 1986 - 1,800,000 tons. (See Table X, XXXIII & XXXIV.)

Chart 1

PAPER AND PAPERBOARD

(Including Wet Machine Board & Construction Grades)

American Paper Institute
Economics Dept.

TABLE IA

PAPER PLUS PAPERBOARD

PRODUCTION, IMPORTS, EXPORTS AND NEW SUPPLY

1959 - 1986

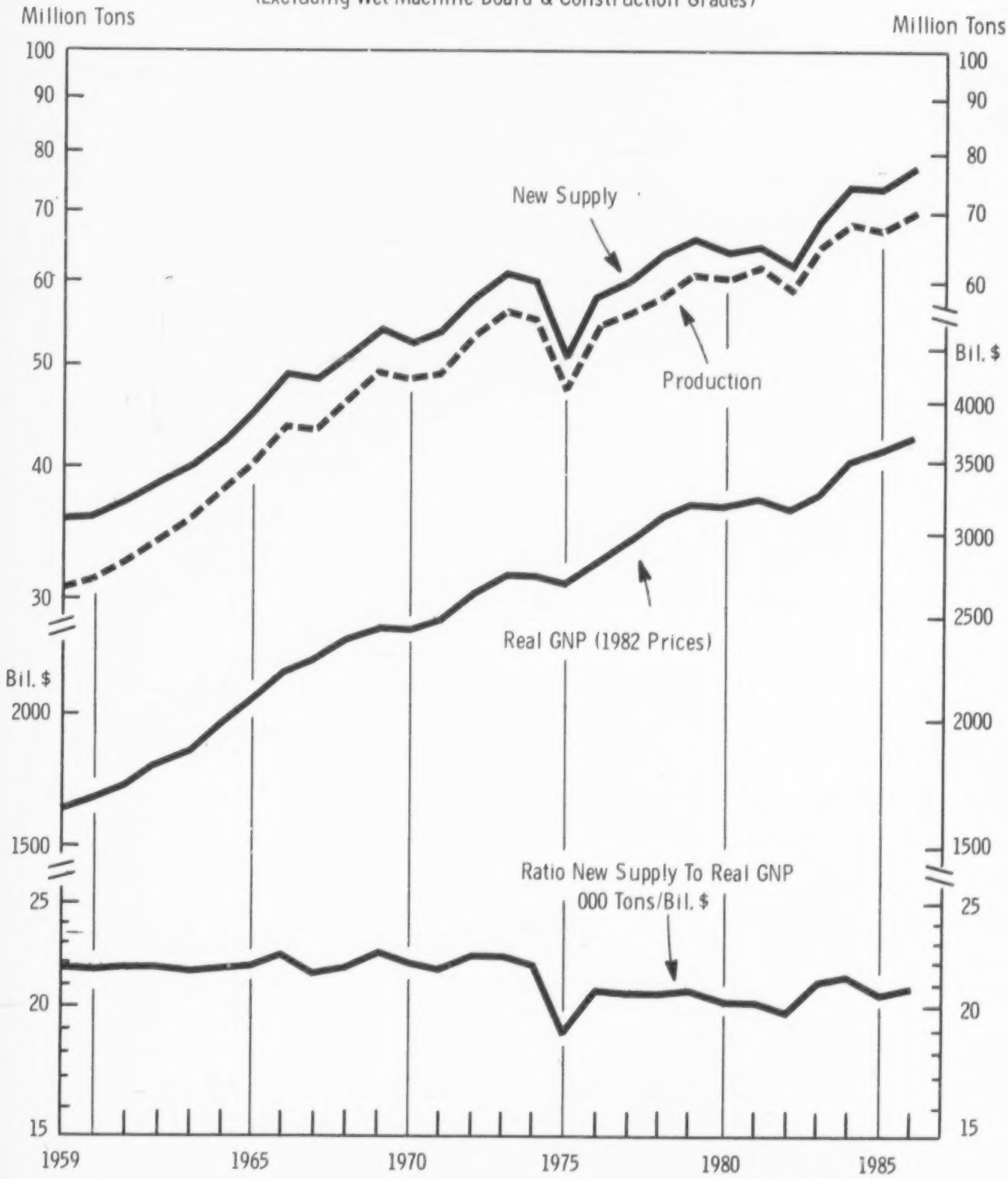
YEAR	Production	Imports	Exports	New Supply*	Real Gross National Product $ Bil. 1982 Prices	Ratio New Supply to Real GNP 000 Tons/$ Bil.
	Thousand Tons					
1959	30,997	5,484	874	35,607	1,629.1	21.86
1960	31,221	5,611	990	35,842	1,665.2	21.52
1961	32,548	5,663	1,174	37,037	1,708.7	21.68
1962	34,407	5,719	1,154	38,972	1,799.4	21.66
1963	35,914	5,637	1,302	40,249	1,873.3	21.49
1964	38,066	6,154	1,660	42,560	1,973.3	21.57
1965	40,489	6,545	1,737	45,297	2,087.6	21.70
1966	43,904	7,327	1,904	49,326	2,208.3	22.34
1967	43,745	6,917	2,054	48,608	2,271.3	21.40
1968	47,071	6,793	2,587	51,277	2,365.6	21.68
1969	49,810	7,209	2,703	54,316	2,423.3	22.41
1970	48,719	7,057	2,779	52,997	2,416.2	21.93
1971	49,741	7,319	3,076	53,984	2,484.8	21.73
1972	53,842	7,567	3,020	58,388	2,608.5	22.38
1973	56,346	8,019	2,966	61,399	2,744.0	22.37
1974	55,756	7,970	3,720	60,007	2,729.3	21.99
1975	47,997	6,164	3,050	51,111	2,695.0	18.97
1976R	54,994	7,042	3,388	58,648	2,826.7	20.75
1977	56,656	7,294	3,171	60,779	2,958.6	20.54
1978	58,571	8,781	3,301	64,050	3,115.2	20.56
1979	61,070	8,738	3,610	66,198	3,192.3	20.74
1980	60,979	8,304	5,148	64,135	3,187.2	20.12
1981	62,109	7,941	4,561	65,489	3,248.7	20.16
1982	59,300	7,603	4,187	62,716	3,166.0	19.81
1983	64,964	8,509	4,502	68,971	3,279.1	21.03
1984R	68,468	10,576	4,310	74,734	3,501.4	21.34
1985R	67,030	11,105	4,003	74,132	3,607.5	20.55
1986P	70,862	11,597	4,738	77,721	3,713.3	20.93

SOURCE: See Table I
NOTE: All data exclude wet machine board, building paper and insulating board.
* - New Supply = Production plus imports less exports; includes imports and exports of products.
R - Revised
P - Preliminary

Chart 1A

PAPER AND PAPERBOARD

(Excluding Wet Machine Board & Construction Grades)



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Economics Dept.

TABLE II

TOTAL PAPER SHIPMENTS

1959 - 1986

(Thousands of Tons)

	1959	1960	1961	1962	1963	1964	1965
TOTAL PAPER, ALL GRADES	15,025.3	15,294.6	15,821.1	16,560.4	17,319.5	18,111.7	19,157.0
Newsprint Production	1,964.0	2,038.0	2,094.0	2,153.9	2,218.0	2,261.0	2,245.0
Total Printing-Writing Papers	6,907.4	7,120.6	7,369.9	7,803.7	8,183.5	8,667.9	9,337.5
Uncoated Groundwood	896.4	929.0	907.3	909.7	956.4	595.4	974.0
Publishing and Printing	731.0	746.8	746.2	755.0	806.7	837.2	814.0
Converting	165.4	182.2	161.1	154.7	149.7	158.2	160.0
Coated Papers	1,992.3	2,122.3	2,159.3	2,290.5	2,425.2	2,608.3	2,814.2
Uncoated Free Sheet Papers	3,095.8	3,112.5	3,270.1	3,458.3	3,634.1	3,847.5	4,216.0
Bond and Writing	429.2	371.8	407.0	457.3	470.0	499.2	555.9
Form Bond	245.0	260.0	300.0	345.0	375.0	420.0	490.0
Ledger	47.1	42.6	43.5	45.9	45.1	43.0	46.6
Mimeograph	102.5	102.1	110.0	113.3	110.9	116.5	117.3
Duplicating	92.3	93.6	106.0	111.5	116.0	117.3	125.6
Manifold	25.8	25.8	24.3	22.9	17.4	15.5	19.9
Papeterie and Wedding	50.1	49.9	44.7	49.3	42.9	45.2	45.5
Carbonless							N.A.
Opaque Circular	27.8	30.1	28.8	26.5	27.3	20.6	22.9
Other	185.7	190.3	215.3	229.8	247.6	261.0	302.2
Cover and Text Papers	129.0	133.1	142.1	153.8	155.4	168.1	186.0
M.F., E.F. & Super Calendered	478.5	437.4	346.6	274.2	264.1	240.1	219.3
Offset	547.8	622.6	679.3	765.1	862.3	948.5	1,062.4
White Wove Envelope	261.6	267.3	280.0	310.6	318.8	357.3	392.4
Tablet	219.6	221.5	249.9	250.3	281.5	293.7	304.4
Kraft Envelope Papers: Total	154.3	157.7	164.1	175.3	175.2	172.0	194.0
Brown Kraft - Estimated	70.0	75.0	80.0	85.0	85.0	80.0	67.0E
Bleached Kraft - Estimated	74.3	82.7	84.1	90.3	90.2	92.0	127.0E
Other	99.5	106.7	128.5	127.5	124.6	129.5	433.8
Thin Papers	135.1	148.1	153.9	183.7	178.7	192.7	211.3
Cotton Fiber Papers	119.9	115.0	118.6	118.0	118.8	117.8	122.3
Bond and Writing	67.5	66.4	69.4	68.8	70.8	72.1	74.8
Other Business	32.1	29.9	30.4	30.5	29.7	28.0	29.0
Technical and Other	20.3	18.7	18.8	18.7	18.3	17.7	18.5
Bleached Bristols	667.9	693.7	760.7	843.5	870.3	906.2	999.7
Tabulating Index	279.3	298.2	342.9	393.7	395.5	419.4	478.6
Tag	144.1	143.1	149.5	154.6	164.7	171.5	194.9
File Folder	44.6	42.9	39.2	51.2	58.9	59.6	64.0
Index Bristol	98.3	92.4	94.2	97.6	98.0	97.4	100.6
Printing Bristol	20.1	19.9	21.7	22.3	22.3	22.4	23.4
Postcard	13.3	16.5	18.7	18.6	13.7	10.4	8.8
Coated Bristol	68.2	80.7	94.5	105.5	117.2	125.5	129.4
Total Packaging and Industrial Papers	4,026.0	3,934.6	4,045.0	4,188.6	4,341.6	4,436.1	4,683.9
Unbleached Kraft, Bleached Packaging, Glassine, Greaseproof & Vegetable Parchment	3,731.0	3,651.4	3,733.0	3,880.6	4,027.2	4,091.7	4,319.1
Unbleached Kraft Papers	2,776.1	2,738.7	2,779.7	2,890.9	3,051.4	3,098.4	3,293.1
Wrapping	337.3	329.6	343.2	339.2	354.6	352.2	358.9
Bag and Sack (Exc. Shipping Sack)	1,102.0	1,127.2	1,135.1	1,231.0	1,270.2	1,326.2	1,447.7
Shipping Sack	813.6	786.7	795.9	797.8	880.7	865.9	894.9
Other Converting	523.2	495.2	505.5	522.9	545.9	554.1	591.6
Bleached Packaging Papers (Census)	779.0	735.5	769.1	799.0	782.0	797.4	825.4
Wrapping	228.7	215.0	196.3	204.3	191.4	191.7	207.4
Bag and Sack (Exc. Shipping Sack)	102.8	102.6	121.7	134.5	130.4	138.5	163.1
Shipping Sack	54.7	59.3	61.4	59.8	67.0	75.2	72.0
Other Converting 1/	392.8	358.6	389.7	400.4	393.2	392.0	382.9
Glassine, Grsprf. and Veg. Parch. (Census)	175.9	177.2	184.2	190.7	193.8	195.9	200.6
Special Industrial Papers (Census)	295.0	283.2	312.0	308.0	314.4	344.4	364.8
Total Tissue Papers (Census)	2,127.9	2,201.4	2,312.2	2,414.2	2,576.4	2,746.7	2,890.6
Total Sanitary Tissue Stock	1,881.7	1,963.6	2,078.0	2,178.9	2,340.4	2,515.7	2,651.4
Toilet Tissue	878.4	878.0	936.1	985.4	1,054.6	1,107.2	1,120.9
Facial Tissue Stock	233.7	254.2	262.0	261.8	278.4	327.4	327.2
Napkin Stock	228.6	238.1	246.6	249.5	261.3	266.1	287.3
Towelling*	469.1	516.2	558.9	604.5	662.9	723.1	816.4
Wiper Stock*	21.7	25.7	26.5	31.9	33.1	38.4	40.1
Other Sanitary Tissue*	50.2	51.3	47.7	45.8	50.0	53.5	59.5
Total All Other Tissue	246.2	237.8	234.3	235.3	236.0	231.0	239.2

1/ Excludes Bleached Kraft Envelope Paper * Revised slightly by API

NOTE (Census): Current Industrial Reports, Pulp, Paper and Board C - Bureau of the Census data

TABLE II (Cont.)

TOTAL PAPER SHIPMENTS

1959 - 1986

(Thousands of Tons)

	1966	1967	1968	1969	1970	1971	1972
TOTAL PAPER, ALL GRADES	**20,724.9**	**20,925.6**	**22,167.7RS**	**23,434.6**	**23,335.5**	**23,704.1**	**25,339.5**
Newsprint Production	**2,483.0**	**2,709.0**	**3,045.0**	**3,362.0**	**3,464.0**	**3,476.0**	**3,656.0**
Total Printing-Writing Papers 2/	**10,318.4**	**10,121.9**	**10,467.9**	**11,125.0**	**10,888.3**	**11,114.1**	**12,175.2**
Uncoated Groundwood	**1,088.3**	**1,019.6**	**1,090.3**	**1,094.9**	**1,084.6**	**1,089.2**	**1,126.0**
Publishing and Printing	876.4	806.4	883.3	914.0	924.4	929.0	950.9
Converting	211.9	213.2	207.0	180.9	160.2	160.2	175.1
Coated Papers	**3,087.6**	**3,086.4**	**3,100.5RS**	**3,306.4**	**3,239.2**	**3,191.9**	**3,483.2**
Uncoated Free Sheet Papers 2/	**4,691.9**	**4,577.0**	**4,787.7**	**5,182.9**	**5,090.4**	**5,350.9**	**5,953.2**
Bond and Writing	620.8	613.9	627.1	718.0	698.6	761.5	889.6
Form Bond 2/	575.0	600.0	570.9	688.7	722.1	787.1	913.0
Ledger	49.1	47.5	54.6	51.1	48.2	51.5	53.9
Mimeograph 2/	125.4	122.7	134.9	132.6	126.4	125.5	128.2
Duplicating	134.9	141.9	160.9	172.5	165.6	162.9	171.4
Manifold	20.2	17.2	14.0	11.0	9.8	10.7	11.8
Papeterie and Wedding	51.7	51.7	56.0	59.9	53.9	51.9	51.1
Carbonless	N.A.	N.A.	50.0	65.0	80.0	90.0	105.0
Opaque Circular	23.8	24.6	23.3	25.0	23.6	24.5	26.2
Cover and Text Papers	194.1	192.2	192.8	200.1	193.2	181.0	194.4
M.F., E.F. & Super Calendered	228.2	209.9	198.2	214.3	162.1	147.6	128.6
Offset	1,221.9	1,165.3	1,295.4	1,381.5	1,384.0	1,467.9	1,688.0
White Wove Envelope	412.8	423.0	459.6	461.2	466.1	467.6	527.0
Tablet	346.3	294.6	313.0	320.9	342.4	401.3	396.5
Kraft Envelope Papers: Total	203.7	188.5	186.6	208.8	189.6	176.9	189.5
Brown Kraft	68.1E	92.9E	91.4E	102.9	95.7	93.7	93.2
Bleached Kraft	135.6E	95.6E	95.2E	105.9	93.9	83.2	96.3
Other 2/	484.0	484.0	450.4	472.3	424.8	443.0	479.0
Thin Papers	**245.4**	**238.0**	**261.6**	**289.0**	**287.9**	**292.3**	**333.2**
Cotton Fiber Papers	**126.3**	**124.8**	**124.0**	**120.1**	**115.4**	**112.8**	**119.1**
Bond and Writing	78.7	74.8	80.5	85.3	76.5	75.7	81.1
Other Business	28.8	30.1	25.2	24.7	23.4	21.1	22.2
Technical and Other	18.8	19.9	18.3	18.1	15.5	16.0	15.8
Bleached Bristols	**1,078.9**	**1,076.1**	**1,103.8**	**1,123.7**	**1,070.8**	**1,077.0**	**1,160.5**
Tabulating Index	514.4	533.2	534.6	558.7	499.6	458.3	465.0
Tag	196.9	187.4	203.7	193.5	184.3	193.5	217.1
File Folder	71.4	71.0	77.8	76.5	72.0	80.9	88.3
Index Bristol	115.0	105.5	104.4	100.4	102.3	106.1	120.9
Printing Bristol	26.5	24.6	24.0	28.4	32.0	32.9	39.2
Postcard	10.3	8.5	5.2	6.8	6.7	6.7	5.7
Coated Bristol	144.4	145.9	154.1	159.4	173.9	198.6	224.3
Total Packaging and Industrial Papers	**4,823.7**	**4,865.8**	**5,198.9**	**5,336.8**	**5,264.8**	**5,281.4**	**5,531.7**
Unbleached Kraft, Bleached Packaging, Glassine, Greaseproof & Vegetable Parchment	**4,430.1**	**4,479.3**	**4,753.1**	**4,861.8**	**4,809.7**	**4,807.1**	**4,986.9**
Unbleached Kraft Papers	3,414.4	3,391.9	3,602.5	3,670.2	3,672.4	3,649.2	3,810.9
Wrapping	370.0	334.7	353.5	327.7	296.4	280.3	282.5
Bag and Sack (Exc. Shipping Sack)	1,548.1	1,631.3	1,713.0	1,797.9	1,927.4	1,929.3	2,014.5
Shipping Sack	884.7	902.5	978.8	983.5	953.3	930.4	935.7
Other Converting	611.6	523.4	557.2	561.1	495.3	509.2	578.2
Bleached Packaging Papers (Census)	801.1	891.3	942.9	975.2	934.0	952.1	942.0
Wrapping	208.4	217.7	210.5	229.3	219.6	205.7	204.4
Bag and Sack (Exc. Shipping Sack)	171.6	185.5	207.8	227.3	218.6	234.7	240.8
Shipping Sack	73.7	89.1	88.7	99.8	97.9	101.9	105.1
Other Converting 1/	347.4	398.9	435.8	418.7	397.9	409.8	391.7
Glassine, Grspf. and Veg. Parch. (Census)	214.6	196.1	207.7	216.4	203.3	205.8	234.0
Special Industrial Papers (Census)	**393.6**	**386.5**	**445.8**	**475.0**	**455.1**	**474.3**	**544.8**
Total Tissue Papers	**3,099.8C**	**3,228.9**	**3,455.9**	**3,610.8**	**3,718.4**	**3,832.6**	**3,976.6**
Total Sanitary Tissue Stock	**2,847.5**	**2,976.7**	**3,217.2**	**3,368.6**	**3,494.0**	**3,604.3**	**3,746.2**
Toilet Tissue	1,169.9	1,171.0	1,273.1	1,274.7	1,323.1	1,376.2	1,398.7
Facial Tissue Stock	337.5	349.1	349.8	386.4	365.0	341.1	367.2
Napkin Stock	332.8	347.3	374.7	377.8	381.2	394.7	419.3
Towelling	897.7	987.8	1,077.7	1,136.9	1,168.1	1,183.7	1,249.4
Wiper Stock	49.1	48.9	50.3	58.8	55.8	54.9	59.4
Other Sanitary Tissue	60.5	72.8	91.5	134.1	200.8	253.8	252.2
Total All Other Tissue	**252.3**	**252.1**	**238.7**	**242.2**	**224.5**	**228.3**	**230.5**

E - Estimated 1/ Excludes Bleached Kraft Envelope Paper 2/ API data RS - Revised Series
NOTE (Census): Current Industrial Reports, Pulp, Paper and Board C - Bureau of the Census data

TABLE II (Cont.)

TOTAL PAPER SHIPMENTS

1959-1986

(Thousands of Tons)

	1973	1974	1975	1976	1977	1978	1979
TOTAL PAPER, ALL GRADES	**26,774.7**	**26,841.4**	**23,240.8**	**26,553.6**	**27,702.9**	**28,295.8**	**29,641.4**
Newsprint Production	**3,738.0**	**3.561.0#**	**3,691.0**	**3,735.9**	**3,870.5**	**3,767.5**	**4,061.9**
Total Printing-Writing Papers 6/	**13,348.7**	**13,410.1**	**10,946.3**	**13,183.5**	**13,817.6**	**14,524.9**	**15,272.6**
Uncoated Groundwood	**1,180.9**	**1,192.4**	**1,127.2**	**1,320.6**	**1,359.7**	1,354.4	1,509.0
Publishing and Printing	985.1	1,001.8	947.5	1,066.5	1,082.4	1,061.0	1,186.0
Converting	195.8	190.6	179.7	254.1	277.3	293.4	323.0
Coated Papers	**3,779.1**	**3,775.8**	**3,155.4**	**3,933.1**	**4,210.3**	**4,399.9**	**4,472.3**
Uncoated Free Sheet Papers 6/	**6,673.6**	**6,755.3**	**5,328.3**	**6,452.8**	**6,748.8**	**7,202.0**	**7,817.1**
Bond and Writing	1,075.0	1,332.6	1,017.3	1,278.9	1,353.5	1,424.7	1,578.3
Form Bond	1,119.9	1,161.5	950.1	1,164.4	1,208.3	1,330.5	1,449.3
Ledger	62.0	71.0	51.2	57.8	59.9	57.7	58.0
Mimeograph	143.3	128.8	96.2	100.8	92.3	91.9	85.6
Duplicating	182.4	178.4	123.6	136.0	147.0	149.5	153.3
Manifold	12.7	11.7	9.0	12.0	9.2	12.1	10.8
Papeterie and Wedding	57.3	47.3	34.2	47.5	43.6	49.2	56.4
Carbonless	120.0	160.0	140.0	190.0	225.0	250.0	300.0
Opaque Circular	33.6	38.1	26.6	32.8	32.7	39.6	N.A.
Cover and Text Papers	219.5	213.1	156.2	175.3	189.1	212.1	243.1
M.F., E.F. & Super Calendered	154.6	128.1	66.5	69.3	66.1	69.5	85.9
Offset	1,862.5	1,838.7	1,462.5	1,781.4	1,889.5	1,920.2	2,155.2
White Wove Envelope	570.9	530.6	456.6	519.9	554.4	592.3	634.9
Tablet	305.5	167.5	229.3	299.6	285.4	350.4	320.1
Kraft Envelope Papers: Total	214.0	203.1	163.8	204.0	203.3	230.2	234.4
Brown Kraft	106.7	98.3	83.4	101.4	101.1	121.1	115.6
Bleached Kraft	107.3	104.8	80.4	102.6	102.2	109.1	118.8
Other	540.4	544.8	345.2	383.1	389.5	422.1	451.8
Thin Papers	**358.2**	**371.8**	**310.8**	**348.4**	**338.7**	**351.7**	**371.4**
Cotton Fiber Papers	**123.7**	**117.0**	**94.5**	**104.2**	**108.5**	**114.4**	**124.6**
Bond and Writing	85.5	82.2	67.6	75.8	80.2	84.4	93.1
Other Business	22.8	20.8	16.3	15.8	15.6	16.3	16.6
Technical and Other	15.4	14.0	10.6	12.6	12.7	13.7	14.9
Bleached Bristols	**1,233.2**	**1,197.8**	**930.1**	**1,024.4**	**1,051.6**	**1,102.5**	**978.2**
Tabulating Index	491.2	498.6	372.7	334.3	338.0	310.6	217.0
Tag	220.3	140.1	132.3	177.6	177.1	207.7	208.7
File Folder	87.1	66.9	86.0	92.0	99.3	112.3	127.6
Index Bristol	130.9	181.0	119.0	140.8	135.6	143.4	137.9
Printing Bristol	46.9	52.5	37.9	43.0	46.4	51.3	53.0
Postcard	3.1	0.2	1.3	1.4	1.3	0.6	0.2
Coated Bristol	253.7	258.5	180.9	235.3	253.9	276.6	233.8
Total Packaging and Industrial Papers	**5,649.2**	**5,783.9**	**4,624.1**	**5,450.6**	**5,729.6**	**5,788.6**	**5,786.4**
Unbleached Kraft, Bleached Packaging, Glassine, Greaseproof & Veg. Parchment	**4,999.1**	**5,132.6**	**4,138.4**	**4,824.0**	**5,151.2**	**5,237.6**	**5,196.8**
Unbleached Kraft Papers	3,901.6	4,033.5RS	3,253.7	3,788.1	3,805.6	3,863.4	3,931.0
Wrapping	272.3	175.3RS	139.1	150.0	156.4	156.3	149.6
Bag and Sack (Exc. Shipping Sack)	2,006.2	2,130.5RS	1,924.6	2,106.2	2,099.7	2,224.5	2,225.8
Shipping Sack	1,025.8	1,187.2RS	838.4	1,004.2	1,035.0	990.3	1,085.8
Other Converting	597.3	540.5RS	351.6	527.7	514.5	492.3	469.8
Bleached Packaging Papers (Census)	867.0	858.6	693.5	828.7	1,127.0*	1,115.2*	1,031.9
Wrapping	158.1	143.1	115.3	126.4	136.1	154.2	118.9
Bag and Sack (Exc. Shipping Sack)	254.2	245.2	227.8	273.9	304.1	276.7	250.4
Shipping Sack	104.4	130.2	95.3	127.6	106.8	91.6	102.4
Other Converting 1/	350.4	340.1	255.1	300.8	580.0	592.7	560.2
Glassine, Grsprf. and Veg. Parch.	230.5	240.5	191.2	207.2	218.6	259.0	233.9
Special Industrial Papers 6/	**650.1**	**651.3**	**485.7**	**626.6**	**578.4**	**551.0**	**589.6**
Total Tissue Papers (Census)	**4,038.8**	**4,086.4**	**3,979.4**	**4,183.6**	**4,285.2**	**4,214.8**	**4,520.5**
Total Sanitary Tissue Stock	**3,771.8**	**3,823.2**	**3,771.9**	**3,954.6**	**4,069.6**	**4,017.4**	**4,324.5**
Toilet Tissue	1,440.5	1,466.1	1,520.1	1,608.9	1,660.2	1,643.2	1,742.4
Facial Tissue Stock	361.8	356.9	339.8	335.1	336.0	329.0	357.9
Napkin Stock	447.7	442.5	462.1	455.2	491.9	493.1	537.2
Towelling	1,276.4	1,333.2	1,248.5	1,323.2	1,353.4	1,317.6	1,404.0
Wiper Stock	61.3	45.3	37.0	46.4	43.8	44.8	58.8
Other Sanitary Tissue	184.1	179.2	164.6	185.9	184.3	189.6	224.2
Total All Other Tissue	**267.0**	**263.2**	**207.5**	**228.9**	**216.0**	**197.4**	**196.0**

NOTE (Census): Current Industrial Reports, Pulp, Paper and Board
1/ Excludes Bleached Kraft Envelope Paper 2/ API data 6/ Series revised from 1968 to present.
Basis weight change from 32 lb. to 30 lb.
* Data overstated by about 10% based on 1980 revision of 1979 data.
RS Revised Series

TABLE II (Cont.)

TOTAL PAPER SHIPMENTS

1959 - 1986

(Thousands of Tons)

	1980	1981R	1982R	1983R	1984R	1985R	1986P
TOTAL PAPER, ALL GRADES	**30,026.4**	**30,877.0**	**30,234.9**	**32,787.7**	**34,429.0**	**33,996.0**	**35,442.8**
Newsprint Production	**4,672.3**	**5,238.6**	**5,041.9**	**5,167.0**	**5,538.8**	**5,427.7**	**5,630.2**
Total Printing-Writing Papers 6/	**15,495.6**	**15,670.5**	**15,554.2**	**17,333.8**	**18,383.1**	**18,422.5**	**19,600.7**
Uncoated Groundwood	**1,498.8**	**1,471.1**	**1,470.8**	**1,530.8**	**1,565.3**	**1,520.9**	**1,539.6**
Publishing and Printing	1,178.2	1,113.1	1,123.1	1,187.9	1,252.2	1,229.8	1,212.9
Converting	320.6	358.0	347.7	342.9	313.1	291.1	326.7
Coated Papers	**4,621.6**	**4,892.7**	**4,991.0**	**5,715.8**	**6,248.9**	**5,875.1**	**6,262.7**
Uncoated Free Sheet Papers 6/	**7,984.2**	**7,867.4**	**7,809.3**	**8,725.7**	**9,152.3**	**9,689.9**	**10,409.5**
Bond and Writing	1,789.7	1,694.0	1,768.5	2,057.3	2,114.8	2,288.5	2,496.9
Form Bond	1,491.6	1,580.3	1,510.4	1,687.5	1,829.4	1,921.8	2,168.0
Ledger	51.3	49.9	48.9	51.4	50.6	50.3	50.4
Mimeograph	90.9	75.5	53.0	55.9	47.6	44.1	46.2
Duplicating	173.6	147.6	139.8	132.1	117.4	101.9	78.4
Manifold	8.9	4.0	3.1	2.9	2.3	2.0	1.3
Papeterie and Wedding	46.2	45.6	42.0	38.7	42.8	41.4	43.1
Carbonless 5/	338.8	375.2	378.7	400.0	443.4	495.8	541.3
Cover and Text Papers	238.2	243.0	235.1	276.0	299.5	288.9	310.0
M.F., E.F. & Super Calendered	78.7	77.3	68.7	87.5	79.2	77.4	83.5
Offset 4/	2,071.2	2,018.5	2,017.6	2,209.8	2,396.4	2,469.1	2,616.2
White Wove Envelope	649.9	638.3	638.7	715.1	773.7	789.3	867.1
Tablet	323.1	316.9	345.3	406.1	299.2	443.2	411.5
Kraft Envelope Papers: Total	226.2	221.5	207.8	230.7	237.4	234.7	254.1
Brown Kraft	111.7	111.0	102.2	114.2	113.8	125.4	132.5
Bleached Kraft	114.5	110.5	105.6	116.5	123.6	109.3	121.6
Other 6/	405.9RS	379.8	351.7	374.7	418.6	441.5	441.5
Thin Papers	**333.0**	**353.4**	**297.0**	**292.4**	**303.4R**	**262.1R**	**246.9**
Cotton Fiber Papers	**126.3**	**125.6**	**120.2**	**132.7**	**147.2**	**144.1**	**152.0**
Bond and Writing	95.2	95.3	94.8	105.9	119.4	117.4	125.4
Other Business	14.1	13.7	11.0	10.6	8.8	8.7	7.2
Technical and Other	17.0	16.6	14.4	16.2	19.0	18.0	19.4
Bleached Bristols	**931.7**	**960.3**	**865.9R**	**936.4R**	**966.0R**	**930.4R**	**990.0**
Tabulating Index	202.3	152.8	123.2	106.7	67.6	70.0	56.0
Tag	177.7	194.3	168.9	190.9	196.7	176.6	184.8
File Folder	114.0	127.0	121.1	144.8	140.9	165.0	178.6
Index Bristol	147.0	143.4	133.4	140.9	146.3	146.5	147.7
Printing Bristol	52.1	51.1	49.6	55.4	56.6	57.4	59.7
Postcard	0.4	1.4	2.4	1.9	2.8	3.2	5.8
Coated Bristol	238.2	290.3	267.3	295.8	355.1	311.7	357.4
Total Packaging and Industrial Papers	**5,483.5**	**5,450.3R**	**5,197.4**	**5,495.2**	**5,586.0**	**5,204.5**	**5,117.0**
Unbleached Kraft and Bleached Packaging Glassine, Greaseproof & Veg. Parchment	**4,961.0**	**4,918.82/**	**4,438.1**	**4,811.2**	**4,931.3**	**4,599.2**	**4,493.8**
Unbleached Kraft Papers	3,815.8	3,732.7	3,562.9	3,665.53/	3,684.1	3,403.0	3,302.8
Wrapping	115.7	106.6	92.8	100.3	97.3	92.8	92.9
Bag and Sack (Exc. Shipping Sack)	2,269.4	2,209.2	2,210.9	2,288.8	2,292.1	2,116.5	2,050.1
Shipping Sack	1,033.3	1,014.6	895.1	878.9	883.3	796.8	747.4
Other Converting	397.4	402.3	364.1	397.5	411.4	396.9	412.4
Bleached Packaging Papers (Census)	943.5	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Wrapping	102.6	47.32/	44.6	44.7	38.4	30.9	24.4
Bag and Sack (Exc. Shipping Sack)	228.6	217.12/	222.4	241.2	260.0	266.0	263.8
Shipping Sack	92.0	73.92/	77.9	88.3	90.1	80.1	84.4
Other Converting 1/	520.3)						
Glassine, Grsprf & Veg. Parch. (Census)	201.7)	1,379.32/	1,289.6	1,455.5	1,513.4	1,424.5	1,441.6
Special Industrial Papers (Census)	**522.5)**						
Total Tissue Papers	**4,375.0**	**4,517.6**	**4,441.4**	**4,791.7**	**4,921.1**	**4,941.3**	**5,094.9**
Total Sanitary Tissue Stock	**4,221.1**	**4,366.9**	**4,289.7**	**4,614.2**	**4,760.7**	**4,798.6**	**4,943.6**
Toilet Tissue	1,651.5	1,714.1	1,747.5	1,835.2	1,851.6	1,883.0	1,905.6
Facial Tissue Stock	353.3	369.4	359.5	389.3	378.5	354.3	359.1
Napkin Stock	554.7	577.6	606.0	532.7	569.8	579.0	613.7
Towelling	1,376.4	1,415.3	1,334.7	1,577.2	1,670.8	1,700.3	1,768.1
Wiper Stock	58.1	77.5	49.7	86.4	(	(	(
Other Sanitary Tissue	227.1	213.1	192.2	193.4	(290.0	(282.0	(297.1
Total All Other Tissue	**153.9**	**150.8**	**151.6**	**177.5**	**160.4**	**142.7**	**151.3**

1/ Excludes Bleached Kraft Envelope Paper 2/ API data series R - Revised P - Preliminary
3/ Data after 1983 may not be fully comparable to earlier data because of changes in procedures in calculating the total industry shipments. 4/ Opaque circular paper included in offset from 1979 to present. 5/ Includes base stock
6/ Series revised from 1968 to present.
NOTE (Census): Current Industrial Report, Pulp, Paper and Board
N.A. - Not Available

TABLE III

PAPERBOARD PRODUCTION 1955-1986

BY END USE

TONS	PAPERBOARD	CONTAINERBOARD-DOMESTIC USE			
YEAR	TOTAL	Total	Linerboard	Corrugating Material	Chip and Filler Boards
1955	14,043,700	7,244,200	4,789,600	2,165,400	289,200
1956	14,371,600	7,451,300	4,933,400	2,249,500	268,400
1957	14,181,900	7,337,200	4,869,700	2,215,600	251,900
1958	14,237,000	7,259,200	4,818,900	2,191,300	249,000
1959	15,972,000	8,232,000	5,475,400	2,498,800	257,800
1960	15,926,500	8,186,600	5,474,800	2,461,000	250,800
1961	16,727,300	8,661,300	5,753,900	2,649,300	258,100
1962	17,847,400	9,299,000	6,216,500	2,822,100	260,400
1963	18,593,600	9,638,300	6,414,000	2,961,800	262,500
1964	19,953,800	10,341,900	6,907,500	3,165,100	269,300
1965	21,331,500	11,199,100	7,480,600	3,438,200	280,300
1966	23,178,600	12,459,600	8,347,300	3,799,800	312,500
1967	22,819,300	12,248,600	8,215,600	3,743,500	289,500
1968	24,903,600	13,388,400	9,043,700	4,061,900	282,800
1969	26,375,700	14,396,400	9,692,500	4,395,400	308,600
1970	25,383,000	13,964,300	9,403,100	4,264,000	297,200
1971	26,037,000	14,353,000	9,530,800	4,519,700	302,500
1972	28,502,500	16,019,000	10,856,500	4,846,500	315,900
1973	29,571,500	16,928,100	11,355,900	5,255,000	317,100
1974	28,914,900	16,767,000	11,305,400	5,179,200	282,300
1975	24,755,700	14,586,200	9,854,200	4,449,300	282,600
1976	28,439,500	16,700,200	11,375,900	5,061,500	262,900
1977	28,953,100	17,167,300	11,695,700	5,207,900	263,700
1978	30,274,900	17,908,200	12,133,700	5,503,100	271,500
1979	31,428,900	18,824,800	12,819,500	5,775,900	229,300
1980	30,952,300	18,070,200	12,393,100	5,445,600	231,500
1981	31,232,200	19,040,000	13,078,500	5,702,100	259,500
1982	29,065,300	17,507,500	11,935,500	5,341,800	230,200
1983	32,176,700	19,173,000	13,124,700	5,838,100	210,200
1984	34,039,300	20,855,100	14,272,500	6,404,200	178,400
1985	33,034,400	20,042,200	13,752,900	6,255,400	33,900*
1986	35,418,700	21,426,500	14,708,900	6,686,600	31,000

*Reclassification. Balance of chip board (non-containerboard grades) included in "All Other."

TABLE III (Cont.)

PAPERBOARD PRODUCTION 1955-1985

BY END USE

TONS

YEAR	BOXBOARD-DOMESTIC USE				ALL OTHER
	Total	Folding	Set-Up	Milk Carton & Food Service	Total
1955	4,407,400	2,938,800	636,700	831,900	2,392,100
1956	4,530,300	2,970,900	636,700	922,700	2,390,000
1957	4,513,400	3,020,800	568,200	924,400	2,331,300
1958	4,533,300	3,032,500	538,600	962,200	2,444,500
1959	4,911,400	3,285,900	576,100	1,049,400	2,828,600
1960	4,894,900	3,291,200	525,100	1,078,600	2,845,000
1961	5,007,500	3,374,800	496,800	1,135,900	3,058,500
1962	5,265,200	3,501,800	523,800	1,239,600	3,283,200
1963	5,417,200	3,635,800	526,800	1,254,600	3,538,100
1964	5,580,800	3,752,300	534,000	1,294,500	4,031,100
1965	5,811,200	3,879,600	547,300	1,384,300	4,321,200
1966	6,075,900	4,040,300	559,700	1,475,900	4,643,100
1967	5,973,100	4,020,700	496,100	1,456,300	4,597,600
1968	6,334,000	4,218,300	519,500	1,596,200	5,181,200
1969	6,424,800	4,261,600	498,600	1,664,600	5,554,500
1970	6,238,700	4,079,700	466,500	1,692,500	5,180,000
1971	6,233,600	4,139,400	447,900	1,646,300	5,450,400
1972	6,551,000	4,439,800	455,100	1,656,100	5,932,500
1973	6,764,300	4,704,500	465,300	1,594,500	5,879,200
1974	6,399,000	4,426,500	403,600	1,568,900	5,748,900
1975	5,663,800	3,896,400	304,500	1,462,900	4,505,700
1976	6,564,700	4,714,600	331,500	1,518,600	5,174,500
1977	6,332,200	4,546,700	302,500	1,483,100	5,453,500
1978	6,501,200	4,702,400	332,700	1,466,100	5,865,500
1979	6,469,200	4,720,500	306,000	1,442,700	6,135,000
1980	6,153,100	4,489,900	241,500	1,421,700	6,729,000
1981	6,216,100	4,587,600	236,000	1,392,500	5,976,100
1982	5,841,000	4,333,700	223,600	1,283,700	5,716,900
1983	6,261,000	4,646,000	256,300	1,358,800	6,742,700
1984	6,535,600	4,876,000	263,800	1,395,800	6,648,500
1985	6,495,000	4,879,800	234,100	1,381,100	6,497,200
1986	6,792,300	5,165,400	233,400	1,393,500	7,199,900

TABLE IV

CONTAINERBOARD PRODUCTION 1955-1986

FOR DOMESTIC USE

TONS

YEAR	CONTAINERBOARD TOTAL	LINERBOARD		
		Total	Kraft	Recycled
1955	7,244,200	4,789,600	3,947,400	842,200
1956	7,451,300	4,933,400	4,139,600	793,800
1957	7,337,200	4,869,700	4,097,900	771,800
1958	7,259,200	4,818,900	4,110,200	708,700
1959	8,232,000	5,475,400	4,701,000	774,400
1960	8,186,600	5,474,800	4,731,200	743,600
1961	8,661,300	5,753,900	5,095,700	658,200
1962	9,299,000	6,216,500	5,514,700	701,800
1963	9,638,300	6,414,000	5,706,100	707,900
1964	10,341,900	6,907,500	6,188,000	719,500
1965	11,199,100	7,480,600	6,698,100	782,500
1966	12,459,600	8,347,300	7,550,200	797,100
1967	12,248,600	8,215,600	7,693,300	522,300
1968	13,388,400	9,043,700	8,612,200	431,500
1969	14,396,400	9,692,500	9,345,300	347,200
1970	13,964,300	9,403,100	9,133,400	269,700
1971	14,353,000	9,530,800	9,249,100	281,700
1972	16,019,000	10,856,500	10,577,600	278,900
1973	16,928,100	11,355,900	11,066,900	289,100
1974	16,767,000	11,305,400	10,838,400	467,100
1975	14,586,200	9,854,200	9,646,900	207,300
1976	16,700,200	11,375,900	11,093,200	282,700
1977	17,167,300	11,695,700	11,354,400	341,400
1978	17,908,200	12,133,700	11,877,200	256,400
1979	18,824,800	12,819,500	12,417,300	402,300
1980	18,070,200	12,393,100	11,948,600	444,500
1981	19,040,000	13,078,500	12,754,300	324,200
1982	17,507,500	11,935,500	11,656,500	279,000
1983	19,173,000	13,124,700	12,835,600	289,100
1984	20,855,100	14,272,500	14,068,800	203,700
1985	20,042,200	13,752,900	13,467,100	285,800
1986	21,426,500	14,708,900	14,288,600	420,300

TABLE IV (Cont.)

CONTAINERBOARD PRODUCTION 1955-1986

FOR DOMESTIC USE

TONS

YEAR	CORRUGATING MATERIAL			CHIP & FILLER BOARDS
	Total	Semi-Chemical	Recycled	Total
1955	2,165,400	1,470,200	695,200	289,200
1956	2,249,500	1,551,700	697,800	268,400
1957	2,215,600	1,557,800	657,800	251,900
1958	2,191,300	1,486,200	705,100	249,000
1959	2,498,800	1,786,100	712,700	257,800
1960	2,461,000	1,788,900	672,100	250,800
1961	2,649,300	2,023,500	625,800	258,100
1962	2,822,100	2,188,800	633,300	260,400
1963	2,961,800	2,287,100	674,700	262,500
1964	3,165,100	2,447,400	717,700	269,300
1965	3,438,200	2,638,200	800,000	280,300
1966	3,799,800	2,909,800	890,000	312,500
1967	3,743,500	2,982,100	761,400	289,500
1968	4,061,900	3,371,200	690,700	282,800
1969	4,395,400	3,617,000	778,400	308,000
1970	4,264,000	3,404,700	859,300	297,200
1971	4,519,700	3,580,200	939,500	302,500
1972	4,846,500	3,874,200	972,300	315,900
1973	5,255,000	4,126,500	1,128,500	317,100
1974	5,179,200	4,010,300	1,169,000	282,300
1975	4,449,300	3,579,400	870,000	282,600
1976	5,061,500	3,986,500	1,075,100	262,900
1977	5,207,900	4,128,200	1,079,700	263,700
1978	5,503,100	4,305,300	1,197,800	271,500
1979	5,775,900	4,573,600	1,202,300	229,300
1980	5,445,600	4,398,500	1,047,100	231,500
1981	5,702,100	4,561,200	1,140,900	259,500
1982	5,341,800	4,202,500	1,139,300	230,200
1983	5,838,100	4,532,700	1,305,400	210,200
1984	6,404,300	5,018,900	1,385,400	178,400
1985	6,255,400	4,896,600	1,358,800	33,900*
1986	6,686,600	5,160,800	1,525,800	31,000

*Reclassification. Balance of chipboard (non-containerboard grades) included in "All Other."

TABLE V

BLEACHED PAPERBOARD PRODUCTION 1960 - 1986

TONS

YEAR	Milk Cartons	Folding Cartons	Heavyweight Cup, Rounded Nested Food Containers and Cup Lids	Plate Dish and Tray	Other Packaging Uses*	Linerboard
1960	571,000	745,200	287,400	123,700	136,200	76,000
1961	600,500	797,600	312,900	127,900	146,100	103,500
1962	678,500	865,100	324,400	148,400	139,200	124,200
1963	677,100	943,000	325,300	160,200	153,400	124,200
1964	692,000	988,800	329,200	178,800	182,300	101,100
1965	752,100	1,051,800	339,000	202,100	182,600	75,000
1966	783,200	1,100,700	367,200	232,100	200,400	100,300
1967	772,800	1,133,800	368,600	247,300	171,400	89,500
1968	848,800	1,234,100	412,000	258,900	195,100	104,900
1969	884,600	1,346,000	416,200	282,200	200,900	113,600
1970	940,700	1,265,900	386,900	287,200	221,600	102,800
1971	918,800	1,394,900	366,700	278,100	280,900	108,200
1972	894,400	1,575,700	395,600	315,900	308,700	117,200
1973	871,200	1,730,300	410,400	296,600	348,500	114,400
1974	850,200	1,678,700	415,800	289,800	382,700	92,700
1975	865,800	1,458,000	350,600	234,200	315,800	76,700
1976	822,900	1,799,500	412,300	266,800	402,200	91,400
1977	808,700	1,592,000	401,300	262,400	525,200	80,200
1978	731,200	1,763,400	418,500	307,100	594,900	109,500
1979**	718,700	1,713,600	432,000	274,100	686,900	110,900
1980	677,600	1,574,700	419,500	298,400	739,300	96,300
1981	631,800	1,655,000	441,600	287,400	738,700	100,600
1982	590,500	1,566,900	374,800	274,500	708,200	93,400
1983	606,900	1,724,600	426,400	281,100	700,300	115,000
1984	645,100	1,846,700	416,400	291,100	662,700	118,500
1985	609,000	1,779,600	438,200	284,000	656,400	113,800
1986	591,400	1,989,800	437,200	324,700	762,100	132,000

* - Includes Exports
** - Starting in 1979 lightweight cup is included with heavyweight cup.

TABLE V (Cont.)

BLEACHED PAPERBOARD PRODUCTION 1960 - 1986

TONS

YEAR	SUMMARY OF PACKAGING PAPERBOARD			NON-PKG. USES	BLEACHED PAPERBOARD PRODUCTION
	Total Packaging Paperboard	Milk Carton and Food Service	Balance of Packaging Uses	Total	TOTAL
1960	1,939,500	1,078,600	860,900	119,700	2,059,200
1961	2,088,500	1,135,900	952,600	151,500	2,240,000
1962	2,279,800	1,239,600	1,040,200	173,600	2,453,400
1963	2,383,200	1,254,600	1,128,600	181,800	2,565,000
1964	2,472,200	1,294,500	1,177,700	220,800	2,693,000
1965	2,602,600	1,384,300	1,218,300	244,400	2,847,000
1966	2,783,900	1,475,900	1,308,000	301,400	3,085,300
1967	2,783,400	1,456,300	1,327,100	273,800	3,057,200
1968	3,053,800	1,596,200	1,457,600	314,100	3,367,900
1969	3,243,500	1,664,600	1,578,900	316,400	3,559,900
1970	3,205,100	1,692,500	1,512,600	167,800	3,372,900
1971	3,347,600	1,646,300	1,701,300	60,500	3,408,100
1972	3,607,500	1,656,100	1,951,400	101,800	3,709,300
1973	3,771,400	1,594,500	2,176,900	81,500	3,852,900
1974	3,709,800	1,568,900	2,140,900	59,500	3,769,300
1975	3,301,000	1,462,900	1,838,200	40,300	3,341,400
1976	3,795,200	1,518,600	2,276,600	43,400	3,838,500
1977	3,669,700	1,483,100	2,186,600	47,300	3,717,000
1978	3,924,700	1,466,100	2,458,600	47,700	3,972,400
1979	3,936,200	1,442,700	2,493,500	61,900	3,998,100
1980	3,806,000	1,421,700	2,384,300	56,200	3,862,300
1981	3,855,100	1,392,500	2,462,600	54,800	3,909,900
1982	3,608,400	1,283,700	2,324,700	56,400	3,664,700
1983	3,854,300	1,358,800	2,495,500	71,600	3,925,800
1984	3,980,600	1,395,800	2,584,800	67,600	4,048,300
1985	3,881,000	1,381,100	2,499,900	67,400	3,948,400
1986	4,237,200	1,353,300	2,883,900	33,600	4,270,800

TABLE VI

PAPERBOARD PRODUCTION BY REGION

1965 - 1986

TONS

YEAR	PAPERBOARD TOTAL	CONTAINERBOARD-DOMESTIC Total	Linerboard	Corrugating Material	Container Chip & Filler Boards
NORTH EASTERN					
1965	2,874,700	710,800	192,700	481,100	37,000
1966	2,992,100	767,700	208,100	521,400	38,200
1967	2,810,100	695,200	121,500	539,000	34,700
1968	2,820,900	675,700	100,900	534,600	40,200
1969	2,769,600	687,000	83,000	569,200	34,800
1970	2,627,800	653,400	60,100	556,600	36,700
1971	2,525,300	634,800	54,400	551,100	29,300
1972	2,622,700	645,800	54,700	562,300	28,800
1973	2,733,800	725,300	56,900	615,300	53,100
1974	2,677,500	852,100	152,700	642,000	57,400
1975	2,052,000	536,400	35,200	445,400	55,800
1976	2,255,000	566,200	70,800	448,200	47,200
1977	2,247,100	562,800	70,800	446,600	45,500
1978	2,284,400	561,300	37,400	470,200	53,700
1979	2,259,800	564,200	61,400	456,700	46,100
1980	2,042,800	486,900	27,300	415,200	44,400
1981	1,867,700	369,900	-	328,500	41,400
1982	1,651,800	342,700	10,800	295,600	36,400
1983	1,891,100	380,300	45,600	317,800	16,900
1984	1,835,300	362,400	-	346,000	16,400
1985	1,880,400	333,300	-	327,300	6,000*
1986	1,904,900	375,700	-	369,300	6,400
SOUTHERN					
1965	11,270,100	6,680,400	5,330,100	1,318,300	32,000
1966	12,379,900	7,362,500	5,852,500	1,468,800	41,200
1967	12,537,100	7,435,600	5,964,900	1,435,600	35,100
1968	14,081,800	8,313,400	6,740,600	1,538,200	34,600
1969	15,433,100	9,181,100	7,488,200	1,651,400	41,500
1970	15,078,400	8,961,400	7,306,700	1,618,400	36,300
1971	15,782,300	9,330,600	7,507,500	1,789,600	33,500
1972	17,484,000	10,671,200	8,658,700	1,988,000	24,500
1973	18,179,900	11,257,000	9,083,700	2,158,900	14,400
1974	17,878,400	11,006,800	8,883,300	2,111,000	12,400
1975	15,752,600	9,882,100	7,957,700	1,860,900	63,400
1976	18,121,100	11,400,600	9,178,200	2,181,400	41,100
1977	18,223,100	11,541,000	9,299,000	2,199,400	42,700
1978	19,540,200	12,268,700	9,890,100	2,331,500	47,100
1979	20,219,100	12,692,100	10,280,500	2,376,900	34,700
1980	20,192,200	12,119,900	9,897,500	2,196,400	26,000
1981	20,442,000	12,863,000	10,527,900	2,301,000	34,100
1982	19,242,700	11,872,500	9,682,400	2,157,400	32,700
1983	20,930,300	12,864,200	10,546,400	2,280,500	37,300
1984	22,275,100	14,143,500	11,536,900	2,568,100	38,500
1985	21,464,100	13,606,500	11,068,800	2,536,200	1,500*
1986	23,041,000	14,347,500	11,676,500	2,668,500	2,500

NOTE: Exports are included in "All Other"
NOTE: Detail does not necessarily add to totals due to rounding.

*Reclassification. Balance of chipboard (non-containerboard grades) included in "All Other."

TABLE VI (Cont.)

PAPERBOARD PRODUCTION BY REGION

1965 - 1986

TONS

YEAR	BOXBOARD-DOMESTIC Total	Folding	Set-Up	Milk Carton & Food Service	ALL OTHER Total
NORTH EASTERN					
1965	1,293,000	972,100	248,800	72,100	870,900
1966	1,302,900	989,600	246,000	67,300	921,500
1967	1,233,600	954,800	214,800	64,000	881,300
1968	1,274,200	991,100	220,900	62,200	871,000
1969	1,178,800	911,900	202,200	64,700	903,800
1970	1,108,100	851,100	194,100	62,900	866,300
1971	1,003,900	767,100	176,200	60,600	886,600
1972	1,020,900	788,400	181,300	51,100	956,100
1973	961,900	752,200	181,000	28,700	1,046,700
1974	861,600	679,800	154,200	27,600	963,800
1975	724,400	582,000	116,500	26,000	791,200
1976	841,000	690,800	120,900	29,400	847,900
1977	865,000	735,400	102,500	27,200	819,300
1978	861,000	723,300	112,700	25,000	862,100
1979	840,900	721,900	85,500	33,500	854,700
1980	787,800	680,400	72,300	35,100	768,000
1981	780,100	687,900	63,400	28,800	717,700
1982	678,000	593,300	59,400	25,400	631,000
1983	730,900	631,000	74,100	25,800	779,900
1984	710,100	614,200	71,200	24,700	762,800
1985	693,300	607,000	64,700	21,600	853,800
1986	738,600	669,500	54,100	15,000	790,600
SOUTHERN					
1965	2,428,400	1,216,200	122,300	1,089,900	2,161,300
1966	2,649,200	1,309,900	128,400	1,210,900	2,368,200
1967	2,666,500	1,385,000	114,100	1,167,400	2,435,000
1968	2,944,000	1,490,200	127,800	1,326,000	2,824,400
1969	3,163,200	1,634,600	122,600	1,406,000	3,088,800
1970	3,166,000	1,628,800	113,300	1,423,900	2,951,000
1971	3,320,500	1,784,600	105,300	1,430,600	3,131,200
1972	3,519,300	1,964,100	108,400	1,446,800	3,293,600
1973	3,776,400	2,244,400	118,000	1,414,000	3,146,500
1974	3,660,200	2,168,400	105,000	1,386,800	3,211,400
1975	3,352,700	2,000,100	89,500	1,263,000	2,517,800
1976	3,931,400	2,500,700	99,800	1,330,800	2,789,100
1977	3,700,600	2,316,700	96,700	1,287,300	2,981,400
1978	3,939,800	2,534,200	104,500	1,301,100	3,331,700
1979	3,974,000	2,592,700	104,500	1,276,800	3,553,000
1980	3,149,900	1,795,200	100,400	1,254,400	4,922,400
1981	3,201,000	1,863,000	105,300	1,232,700	4,378,100
1982	3,012,800	1,761,300	94,500	1,157,000	4,357,400
1983	3,264,500	1,957,900	98,800	1,207,800	4,801,600
1984	3,429,800	2,083,000	107,300	1,239,500	4,701,800
1985	3,352,600	2,041,800	92,400	1,218,400	4,505,000
1986	3,566,200	2,214,100	98,300	1,253,800	5,127,300

NOTE: Exports are included in "All Other"
NOTE: Detail does not necessarily add to totals due to rounding.
NOTE: For this Table unbleached kraft folding has been included in the "All Other" domestic data.

TABLE VI (Cont.)

PAPERBOARD PRODUCTION BY REGION

1965 - 1986

TONS

YEAR	PAPERBOARD TOTAL	CONTAINERBOARD - DOMESTIC			
		Total	Linerboard	Corrugating Material	Container Chip & Filler Boards
NORTH CENTRAL					
1965	4,031,600	1,796,600	408,700	1,203,800	184,100
1966	4,191,700	1,880,100	400,700	1,282,600	196,800
1967	3,928,600	1,677,600	252,600	1,240,100	184,900
1968	4,174,400	1,802,200	190,100	1,431,400	180,700
1969	4,272,100	1,916,600	160,200	1,539,300	217,200
1970	3,936,000	1,788,900	110,300	1,471,000	207,600
1971	4,041,100	1,854,000	101,800	1,534,100	218,100
1972	4,245,500	1,926,000	106,400	1,597,400	222,200
1973	4,360,400	2,031,900	111,000	1,697,300	223,600
1974	4,186,500	2,005,700	176,600	1,637,900	191,200
1975	3,367,200	1,655,400	63,900	1,448,600	142,900
1976	3,928,000	1,869,900	57,000	1,663,900	148,900
1977	4,091,700	2,010,300	117,200	1,734,300	158,800
1978	4,164,200	2,127,500	98,600	1,870,400	158,500
1979	4,352,900	2,334,900	165,800	2,029,300	139,800
1980	4,137,600	2,271,100	191,400	1,943,500	136,100
1981	4,288,300	2,417,000	143,300	2,124,800	148,800
1982	3,979,300	2,210,000	103,900	1,984,300	121,800
1983	4,396,700	2,413,300	60,800	2,227,000	125,500
1984	4,770,400	2,600,900	75,300	2,409,600	116,000
1985	4,568,300	2,441,200	86,800	2,333,400	21,000*
1986	4,899,300	2,648,700	73,200	2,555,900	19,600
PACIFIC COAST					
1965	3,155,100	2,011,400	1,549,000	435,100	27,300
1966	3,614,900	2,449,300	1,886,000	527,100	36,300
1967	3,543,500	2,440,300	1,876,600	528,900	34,800
1968	3,826,500	2,597,100	2,012,000	557,800	27,300
1969	3,900,900	2,611,800	1,961,100	635,600	15,100
1970	3,740,800	2,560,600	1,926,000	618,000	16,600
1971	3,688,300	2,533,600	1,867,000	644,900	21,600
1972	4,150,200	2,776,000	2,036,800	698,800	40,400
1973	4,297,500	2,914,000	2,104,400	783,500	16,100
1974	4,172,500	2,902,400	2,092,900	788,300	21,200
1975	3,583,900	2,512,300	1,797,400	694,400	20,500
1976	4,135,300	2,863,500	2,069,900	768,000	25,600
1977	4,391,300	3,053,100	2,208,800	827,600	16,800
1978	4,286,200	2,950,800	2,107,500	831,000	12,300
1979	4,597,200	3,233,600	2,311,800	913,000	8,800
1980	4,579,700	3,192,300	2,276,800	890,500	25,000
1981	4,634,300	3,390,200	2,407,300	947,800	35,100
1982	4,191,700	3,082,400	2,138,500	904,600	39,300
1983	4,958,600	3,515,100	2,471,800	1,012,800	30,500
1984	5,158,300	3,748,200	2,660,300	1,080,506	7,400
1985	5,121,600	3,661,200	2,597,300	1,058,500	5,400*
1986	5,573,500	4,054,600	2,959,200	1,092,900	2,500

NOTE: Exports are included in "All Other"
NOTE: Detail does not necessarily add to totals due to rounding.

*Reclassification. Balance of chipboard (non-containerboard grades) included in "All Other."

TABLE VI (Cont.)

PAPERBOARD PRODUCTION BY REGION

1965 - 1986

TONS

YEAR	BOXBOARD-DOMESTIC				ALL OTHER
	Total	Folding	Set-Up	Milk Carton & Food Service	Total
NORTH CENTRAL					
1965	1,517,300	1,288,600	150,000	78,700	717,700
1966	1,541,900	1,316,300	160,300	65,300	769,700
1967	1,489,300	1,288,300	140,800	60,200	761,700
1968	1,489,100	1,295,100	150,200	43,800	883,100
1969	1,458,000	1,279,300	154,100	24,600	897,500
1970	1,338,300	1,194,300	133,500	10,500	808,800
1971	1,345,500	1,195,800	140,900	8,800	841,600
1972	1,396,300	1,246,000	141,800	8,500	923,200
1973	1,379,400	1,236,300	142,700	400	949,200
1974	1,262,300	1,137,600	124,600	100	918,500
1975	1,018,400	937,200	80,600	600	693,400
1976	1,177,900	1,089,800	88,000	100	880,200
1977	1,165,200	1,077,500	87,700	-	916,200
1978	1,123,900	1,031,800	92,100	-	912,800
1979	1,105,500	1,009,700	95,800	-	912,500
1980	1,030,600	978,200	52,500	-	835,900
1981	1,062,300	1,011,800	50,500	-	809,000
1982	1,035,100	984,200	50,900	-	734,200
1983	1,112,100	1,049,800	62,300	-	871,300
1984	1,176,000	1,104,900	71,100	-	993,500
1985	1,156,900	1,090,100	66,800	-	970,200
1986	1,128,400	1,057,700	70,700	-	1,122,200
PACIFIC COAST					
1965	572,600	402,800	26,200	143,600	571,100
1966	582,000	424,500	25,000	132,500	583,600
1967	583,600	392,600	26,300	164,700	519,600
1968	626,800	442,000	20,600	164,200	602,600
1969	624,800	435,800	19,700	169,300	664,300
1970	626,200	405,400	25,500	195,300	554,000
1971	563,700	391,900	25,400	146,400	591,000
1972	614,700	441,300	23,600	149,800	759,600
1973	646,600	471,600	23,600	151,400	736,900
1974	615,000	440,800	19,900	154,300	655,100
1975	568,300	377,200	17,800	173,300	503,300
1976	614,500	433,300	22,800	158,400	657,300
1977	601,400	417,100	15,700	168,600	736,800
1978	576,500	413,100	23,400	140,000	759,000
1979	548,800	396,200	20,200	132,400	814,800
1980	504,400	355,700	16,400	132,300	883,000
1981	500,900	353,100	16,700	131,100	743,100
1982	424,500	304,400	18,800	101,300	684,800
1983	443,500	297,200	21,100	125,200	1,000,000
1984	467,300	321,500	14,200	131,600	942,800
1985	470,500	319,200	10,200	141,100	989,900
1986	469,700	334,700	10,300	124,700	1,049,200

NOTE: Exports are included in "All Other"
NOTE: Detail does not necessarily add to totals due to rounding
NOTE: For this Table unbleached kraft folding has been included in the "All Other" domestic data.

TABLE VII

PAPERBOARD PRODUCTION

BY GRADE AND TYPE 1968 - 1986

TONS

YEAR	CONTAINERBOARD - DOMESTIC				BOXBOARD - DOMESTIC		
	Total	Linerboard	Corrugating Material	Container Chip & Filler Board	Total	Folding	Set-Up
Total Paperboard							
1968	13,388,400	9,043,700	4,061,900	282,800	6,334,000	4,218,300	519,500
1969	14,396,500	9,692,500	4,395,400	308,600	6,424,800	4,261,600	498,600
1970	13,964,300	9,403,100	4,264,000	297,200	6,238,700	4,079,700	466,500
1971	14,353,000	9,530,800	4,519,700	302,500	6,233,600	4,139,400	447,900
1972	16,018,900	10,856,500	4,846,500	315,900	6,551,000	4,439,800	455,100
1973	16,928,100	11,355,900	5,255,000	317,100	6,764,300	4,704,500	465,300
1974	16,767,000	11,305,400	5,179,200	282,300	6,399,000	4,426,500	403,600
1975	14,586,200	9,854,200	4,449,300	282,600	5,663,800	3,896,400	304,500
1976	16,700,200	11,375,900	5,061,500	262,900	6,564,700	4,714,600	331,500
1977	17,167,300	11,695,700	5,207,900	263,700	6,332,200	4,546,700	302,500
1978	17,908,200	12,133,700	5,503,100	271,500	6,501,200	4,702,400	332,700
1979	18,824,800	12,819,600	5,775,900	229,300	6,469,200	4,720,500	306,000
1980	18,070,200	12,393,100	5,445,600	231,500	6,153,100	4,489,900	241,500
1981	19,040,000	13,078,500	5,702,100	259,500	6,216,100	4,587,600	236,000
1982	17,507,600	11,935,500	5,341,800	230,200	5,841,000	4,333,700	223,600
1983	19,173,000	13,124,700	5,838,100	210,200	6,261,000	4,646,000	256,300
1984	20,855,100	14,272,500	6,404,200	178,400	6,535,600	4,876,000	263,800
1985	20,042,200	13,752,900	6,255,400	33,900*	6,495,000	4,879,800	234,100
1986	21,426,500	14,708,900	6,686,600	31,000	6,792,300	5,165,400	233,400
Unbleached Kraft							
1968	8,535,500	8,511,400	7,400	16,700	261,000	261,000	-
1969	9,242,100	9,210,700	8,100	23,300	287,200	287,200	-
1970	9,043,900	9,014,600	3,800	25,500	343,400	343,400	-
1971	9,155,300	9,124,700	1,100	29,500	339,600	339,600	-
1972	10,469,900	10,447,800	-	22,100	389,700	389,700	-
1973	10,951,600	10,939,100	2,300	10,200	454,800	454,800	-
1974	10,754,200	10,739,000	3,800	11,500	469,700	469,700	-
1975	9,586,000	9,565,200	8,700	12,100	463,000	463,000	-
1976	11,023,900	10,993,700	20,200	10,100	577,500	577,500	-
1977	11,283,000	11,269,400	-	13,600	588,000	588,000	-
1978	11,779,700	11,761,600	-	18,100	617,600	617,600	-
1979	12,306,400	12,306,400	-	-	698,400	698,400	-
1980	11,852,300	11,852,300	-	-	680,400	680,400	-
1981	12,653,700	12,653,700	-	-	671,900	671,900	-
1982	11,563,100	11,563,100	-	-	690,600	690,600	-
1983	12,720,600	12,720,600	-	-	710,100	710,100	
1984	13,950,300	13,950,300	-	-	752,400	752,400	-
1985	13,353,300	13,353,300	-	-	821,700	821,700	-
1986	14,156,600	14,156,600	-	-	889,400	889,400	-
Semichemical							
1968	3,366,600	-	3,363,800	2,800	-	-	-
1969	3,611,100	-	3,608,900	2,200	-	-	-
1970	3,400,900	-	3,400,900	-	-	-	-
1971	3,579,100	-	3,579,100	-	-	-	-
1972	3,874,200	-	3,874,200	-	-	-	-
1973	4,124,300	-	4,124,300	-	-	-	-
1974	4,005,500	-	4,006,500	-	-	-	-
1975	3,570,600	-	3,570,600	-	-	-	-
1976	3,966,300	-	3,966,300	-	-	-	-
1977	4,128,200	-	4,128,200	-	-	-	-
1978	4,305,300	-	4,305,300	-	-	-	-
1979	4,573,600	-	4,573,600	-	-	-	-
1980	4,398,500	-	4,398,500	-	-	-	-
1981	4,561,200	-	4,561,200	-	-	-	-
1982	4,202,500	-	4,202,500	-	-	-	-
1983	4,532,700	-	4,532,700	-	-	-	-
1984	5,018,900	-	5,018,900	-	-	-	-
1985	4,896,600	-	4,896,600	-	-	-	-
1986	5,160,800	-	5,160,800	-	-	-	-

NOTE: Details do not necessarily add to total due to rounding. - Represents zero

* Reclassification. Balance of chipboard (non-containerboard grades) included in "All Other."

TABLE VII (Cont.)

PAPERBOARD PRODUCTION

BY GRADE AND TYPE 1968 - 1986

TONS

YEAR	BOXBOARD (Cont.) Milk Carton & Food Service	ALL OTHER (Exc. Exports) TOTAL	Gypsum Wallboard Facings	Tube, Can and Drum	Balance of All Other	EXPORTS Total	ALL GRADES Total
Total Paperboard							
1968	1,596,200	3,585,200	784,000	779,900	2,021,300	1,596,000	24,903,600
1969	1,664,600	3,694,400	822,600	860,500	2,011,300	1,860,100	26,375,700
1970	1,692,500	3,280,700	775,700	887,300	1,617,700	1,899,400	25,383,000
1971	1,646,300	3,335,000	935,700	925,700	1,473,500	2,115,400	26,037,000
1972	1,656,100	3,701,100	1,016,600	1,065,500	1,619,000	2,231,400	28,502,500
1973	1,594,900	3,864,900	1,050,300	1,145,400	1,668,200	2,015,200	29,571,400
1974	1,568,900	3,599,400	984,200	1,128,500	1,486,800	2,149,500	28,914,900
1975	1,462,900	3,052,200	893,800	907,500	1,250,900	1,453,500	24,755,700
1976	1,518,600	3,465,300	984,500	1,016,500	1,464,300	1,709,200	28,439,500
1977	1,483,100	3,623,100	1,056,800	1,075,900	1,490,400	1,830,500	28,953,100
1978	1,466,100	3,825,500	1,094,000	1,163,000	1,568,500	2,040,000	30,274,900
1979	1,442,700	3,873,000	1,179,900	1,177,200	1,515,900	2,262,000	31,428,900
1980	1,421,700	3,394,800	918,800	1,077,600	1,398,400	3,334,100	30,952,300
1981	1,392,500	3,354,000	887,600	1,114,600	1,351,700	2,622,000	31,232,200
1982	1,283,700	3,063,000	805,200	1,046,200	1,211,700	2,653,800	29,065,300
1983	1,358,800	3,730,600	1,053,800	1,210,800	1,466,000	3,012,100	32,176,700
1984	1,395,800	3,917,200	1,125,200	1,254,900	1,537,100	2,731,300	34,039,300
1985	1,381,100	3,985,800	1,160,200	1,212,600	1,613,000	2,511,400	33,034,400
1986	1,393,500	4,103,000	1,182,800	1,264,000	1,656,200	3,096,900	35,418,700
Unbleached Kraft							
1968	-	584,600	-	175,400	409,200	1,380,700	10,761,800
1969	-	604,200	-	187,300	416,900	1,682,800	11,816,300
1970	-	470,400	-	175,400	295,000	1,683,400	11,541,100
1971	-	470,900	-	194,500	276,400	1,834,300	11,800,100
1972	-	521,500	-	223,200	298,300	1,887,500	13,268,700
1973	-	559,300	-	226,200	333,100	1,596,700	13,562,500
1974	-	526,300	-	231,000	295,200	1,582,700	13,332,900
1975	-	435,900	-	175,900	260,000	1,058,000	11,542,800
1976	-	483,500	-	217,500	266,000	1,247,300	13,332,200
1977	-	490,300	-	227,800	262,500	1,289,600	13,650,800
1978	-	508,900	-	250,600	258,300	1,466,300	14,372,500
1979	-	500,800	-	267,000	233,800	1,645,300	15,151,000
1980	-	382,800	-	226,400	156,400	2,379,800	15,295,200
1981	-	390,200	-	219,300	170,900	1,886,600	15,602,400
1982	-	349,700	-	192,900	156,800	1,931,400	14,534,800
1983	-	416,000	-	204,300	206,600	2,280,700	16,122,300
1984	-	396,300	-	191,600	204,700	2,086,400	17,185,400
1985	-	362,600	-	164,200	198,400	1,830,000	16,367,600
1986	-	397,700	-	163,900	233,800	2,245,500	17,689,200
Semichemical							
1968	-	14,400	-	12,300	2,100	94,000	3,475,000
1969	-	33,000	-	13,500	19,500	52,400	3,696,500
1970	-	33,200	-	23,700	9,500	84,300	3,518,400
1971	-	16,900	-	14,100	2,800	104,000	3,700,000
1972	-	23,600	-	17,700	5,900	111,700	4,009,600
1973	-	28,600	-	18,300	10,300	107,400	4,260,300
1974	-	23,300	-	17,400	6,000	145,500	4,175,400
1975	-	15,900	-	14,000	1,900	115,400	3,701,300
1976	-	19,300	-	18,100	1,200	119,300	4,105,000
1977	-	14,300	-	14,300	-	121,900	4,264,400
1978	-	14,800	-	14,600	-200	119,200	4,439,300
1979	-	17,400	-	10,800	6,600	98,200	4,689,100
1980	-	2,700	-	2,400	300	322,300	4,723,500
1981	-	2,700	-	2,600	100	155,200	4,719,200
1982	-	1,800	-	1,300	500	184,900	4,389,300
1983	-	5,100	-	-	5,100	192,600	4,730,400
1984	-	1,000	-	-	1,000	149,200	5,169,000
1985	-	2,000	-	-	2,000	189,400	5,088,000
1986	-	2,700	-	-	2,700	212,500	5,376,000

NOTE: Details do not necessarily add to total due to rounding.
- Represents zero.

TABLE VII (Cont.)

PAPERBOARD PRODUCTION

BY GRADE AND TYPE 1968 - 1986

TONS

YEAR	CONTAINERBOARD - DOMESTIC				BOXBOARD - DOMESTIC		
	Total	Linerboard	Corrugating Material	Container Chip & Filler Board	Total	Folding	Set-Up
Solid Bleached							
1968	125,000	125,000	-	-	2,773,900	1,226,900	-
1969	134,700	134,700	-	-	2,970,300	1,345,900	-
1970	118,800	118,800	-	-	2,912,300	1,263,300	-
1971	124,400	124,400	-	-	2,996,400	1,392,100	-
1972	129,800	129,800	-	-	3,196,300	1,572,400	-
1973	127,700	127,700	-	-	3,322,600	1,709,200	-
1974	99,400	99,400	-	-	3,244,600	1,619,900	-
1975	81,800	81,800	-	-	2,917,700	1,455,600	-
1976	99,500	99,500	-	-	3,315,700	1,797,200	-
1977	85,000	85,000	-	-	3,074,500	1,591,500	-
1978	115,700	115,700	-	-	3,229,500	1,763,400	-
1979	110,900	110,900	-	-	3,156,200	1,713,600	-
1980	96,300	96,300	-	-	2,996,400	1,574,700	-
1981	100,600	100,600	-	-	3,047,500	1,655,000	-
1982	93,400	93,400	-	-	2,850,600	1,566,900	-
1983	115,000	115,000	-	-	3,083,400	1,724,600	-
1984	118,500	118,500	-	-	3,242,400	1,846,700	-
1985	113,800	113,800	-	-	3,160,700	1,779,600	-
1986	132,000	132,000	-	-	3,383,300	1,989,800	-
Recycled							
1968	1,361,300	407,300	690,700	263,300	3,299,100	2,730,400	519,500
1969	1,408,600	347,100	778,400	283,100	3,167,300	2,628,500	498,600
1970	1,400,700	269,700	859,300	271,800	2,983,000	2,473,000	486,500
1971	1,494,100	281,700	939,500	272,900	2,897,700	2,407,700	447,900
1972	1,545,000	278,900	972,300	293,800	2,964,900	2,477,200	455,100
1973	1,724,500	289,100	1,128,500	306,900	2,987,000	2,521,600	465,300
1974	1,906,800	467,100	1,169,000	270,800	2,684,800	2,280,900	403,600
1975	1,347,700	207,300	870,000	270,400	2,283,200	1,977,900	304,500
1976	1,610,500	282,700	1,075,100	252,800	2,671,600	2,340,000	331,500
1977	1,671,100	341,400	1,079,700	250,100	2,669,700	2,367,200	302,500
1978	1,707,600	256,400	1,197,800	253,400	2,654,100	2,321,400	332,700
1979	1,833,900	402,300	1,202,300	229,300	2,614,500	2,308,500	306,000
1980	1,723,100	444,500	1,047,100	231,500	2,476,300	2,234,800	241,500
1981	1,724,500	324,200	1,140,800	259,500	2,496,800	2,260,800	236,000
1982	1,648,500	279,000	1,139,300	230,200	2,299,800	2,076,200	223,600
1983	1,804,700	289,100	1,305,400	210,200	2,467,600	2,211,300	256,300
1984	1,767,500	203,700	1,385,400	178,400	2,540,700	2,276,900	263,800
1985	1,678,500	285,800	1,358,800	33,900*	2,512,600	2,278,500	234,100
1986	1,977,100	420,300	1,525,800	31,000	2,519,600	2,286,200	233,400

NOTE: Details do not necessarily add to total due to rounding.
- Represents zero

*Reclassification. Balance of chipboard (non-containerboard grades) included in "All Other."

TABLE VII (Cont.)

PAPERBOARD PRODUCTION

BY GRADE AND TYPE 1968 - 1986

TONS

YEAR	BOXBOARD (Cont.) Milk Carton & Food Service	ALL OTHER (Exc. Exports) TOTAL	Gypsum Wallboard Facings	Tube, Can and Drum	Balance of All Other	EXPORTS Total	ALL GRADES TOTAL
Solid Bleached							
1968	1,547,000	316,400	-	7,800	308,600	108,500	3,323,800
1969	1,624,400	327,700	-	8,300	319,400	108,100	3,540,800
1970	1,649,000	197,400	-	-	197,400	114,400	3,342,900
1971	1,604,300	104,000	-	-	104,000	156,500	3,381,300
1972	1,623,500	142,500	-	-	142,500	217,800	3,686,400
1973	1,594,400	133,500	-	-	133,500	280,300	3,864,000
1974	1,568,700	108,900	-	-	108,900	320,200	3,773,100
1975	1,462,100	87,500	-	-	87,500	256,200	3,343,300
1976	1,518,500	122,900	-	-	122,900	306,100	3,844,100
1977	1,483,100	172,400	-	-	172,400	389,400	3,721,300
1978	1,466,100	200,500	-	-	200,500	432,900	3,978,600
1979	1,442,700	234,300	-	-	234,300	496,700	3,998,100
1980	1,421,700	220,100	-	-	220,100	549,400	3,862,300
1981	1,392,500	205,300	-	-	205,300	556,600	3,909,900
1982	1,283,700	196,000	-	-	196,000	524,700	3,664,700
1983	1,358,800	213,000	-	-	213,000	514,500	3,925,800
1984	1,395,800	209,000	-	-	209,000	478,300	4,048,300
1985	1,381,100	208,300	-	-	208,300	465,600	3,948,400
1986	1,393,500	186,800	-	-	186,800	568,700	4,270,800
Recycled							
1968	49,200	2,669,800	784,000	584,400	1,301,400	12,800	7,343,000
1969	40,200	2,729,500	822,600	651,400	1,255,500	16,800	7,322,300
1970	43,500	2,579,600	775,700	688,200	1,115,800	17,300	6,980,500
1971	42,100	2,743,100	935,700	717,100	1,090,300	20,600	7,155,500
1972	32,600	3,013,400	1,016,600	824,600	1,172,200	14,400	7,537,800
1973	100	3,142,500	1,050,300	900,900	1,191,300	30,800	7,884,600
1974	200	2,941,000	984,200	880,100	1,076,700	101,000	7,633,500
1975	800	2,512,900	893,800	717,600	901,500	23,900	6,167,700
1976	100	2,839,600	984,500	780,900	1,074,200	36,500	7,158,100
1977	-	2,946,100	1,056,800	833,700	1,055,500	29,600	7,316,500
1978	-	3,101,400	1,094,000	897,900	1,109,500	21,600	7,484,500
1979	-	3,120,500	1,179,900	899,400	1,041,220	21,800	7,590,700
1980	-	2,789,300	918,800	848,900	1,021,600	82,600	7,071,300
1981	-	2,755,700	887,600	892,700	975,300	23,800	7,000,700
1982	-	2,515,400	805,200	852,000	858,300	12,700	6,476,500
1983	-	3,101,600	1,053,800	1,006,500	1,041,300	24,300	7,398,200
1984	-	3,310,800	1,125,200	1,063,300	1,122,300	17,400	7,636,500
1985	-	3,412,900	1,160,200	1,048,400	1,204,300	26,400	7,630,400
1986	-	3,515,800	1,182,800	1,100,100	1,232,900	70,200	8,082,700

NOTE: Details do not necessarily add to total due to rounding.
- Represents zero.

TABLE VIII

PAPERBOARD PRODUCTION

BY MONTHS

1986

TONS

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE
Containerboard-Domestic Use	1,767,000	1,618,700	1,786,100	1,735,700	1,842,900	1,799,100
Linerboard	1,218,700	1,103,500	1,213,900	1,179,200	1,265,600	1,236,500
Kraft	1,183,900	1,074,600	1,185,900	1,149,300	1,233,400	1,200,700
Recycled	34,800	28,900	28,000	29,900	32,200	35,800
Corrugating	546,100	512,100	569,700	553,800	575,800	559,900
Semichemical	418,400	396,600	437,200	427,700	444,800	437,100
Recycled	127,700	115,500	132,500	126,100	131,000	122,800
Container Chip	2,200	3,100	2,500	2,700	1,500	2,700
Boxboard-Domestic Use	507,600	479,100	527,100	495,900	503,000	481,300
Folding	359,900	342,300	371,400	354,000	369,900	351,100
Set-Up	19,700	17,900	21,200	22,700	20,400	19,500
Milk Carton & Food Service	128,000	118,900	134,500	119,200	112,700	110,700
All Other	659,700	617,400	706,800	672,400	701,900	692,700
Domestic	413,600	391,500	429,400	428,400	443,600	427,200
Export	246,100	225,900	277,400	244,000	258,300	265,500
TOTAL PAPERBOARD	2,934,300	2,715,200	3,020,000	2,904,000	3,047,800	2,973,100

NOTE: Totals do not add due to rounding.
NOTE: For this table unbleached kraft folding has been included in the "All Other" domestic data.

TABLE IX

BOX PLANT CONSUMPTION

BY MONTHS

1986

TONS

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE
Linerboard and Corrugating Material	1,839,800	1,623,700	1,695,800	1,910,500	1,704,800	1,745,500
Total Containerboard	1,842,800	1,625,900	1,698,700	1,913,300	1,707,600	1,748,100

SOURCE: Box Plant Consumption - Fibre Box Association

TABLE VIII (Cont.)

PAPERBOARD PRODUCTION

BY MONTHS

1986

TONS

	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Containerboard-Domestic Use	1,758,600	1,879,200	1,754,500	1,852,900	1,802,800	1,829,000	21,426,500
Linerboard	1,208,200	1,285,800	1,202,500	1,274,200	1,240,900	1,279,900	14,708,900
Kraft	1,164,100	1,250,300	1,162,300	1,237,200	1,201,300	1,245,700	14,288,700
Recycled	44,100	35,500	40,200	37,000	39,600	34,200	420,200
Corrugating	546,200	590,400	549,400	576,900	559,200	547,100	6,686,600
Semichemical	425,000	453,600	425,700	442,100	431,300	421,200	5,160,700
Recycled	121,200	136,800	123,700	134,800	127,900	125,900	1,525,900
Container Chip	4,200	3,000	2,600	1,800	2,700	2,000	31,000
Boxboard-Domestic Use	478,100	486,600	477,900	518,400	474,500	473,400	5,902,700
Folding	340,600	360,200	349,000	383,500	353,600	340,500	4,276,000
Set-Up	16,700	20,500	18,200	21,800	18,400	16,400	233,400
Milk Carton & Food Service	120,800	105,900	110,500	113,100	102,500	116,500	1,393,300
All Other	661,100	721,500	662,300	682,800	661,900	649,000	8,089,500
Domestic	407,400	426,300	411,000	444,000	390,200	380,000	4,992,600
Export	253,700	295,200	251,300	238,800	271,700	269,000	3,096,900
TOTAL PAPERBOARD	2,897,800	3,087,300	2,894,500	3,054,100	2,939,200	2,951,400	35,418,700

NOTE: Totals do not add due to rounding.
NOTE: For this table unbleached kraft folding has been included in the "All Other" domestic data.

TABLE IX (Cont.)

BOX PLANT CONSUMPTION

BY MONTHS

1986

TONS

	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Linerboard and Corrugating Material	1,795,000	1,748,300	1,809,700	2,031,800	1,590,100	1,608,400	21,103,400
Total Containerboard	1,797,100	1,750,800	1,812,600	2,034,300	1,592,000	1,611,100	21,134,300

SOURCE: Box Plant Consumption - Fibre Box Association

TABLE X

PAPER AND PAPERBOARD

PRODUCTION, NEW SUPPLY AND NEW SUPPLY/REAL G.N.P.

1959-1986

000 Short Tons	1959	1960	1961	1962	1963	1964	1965
Production - Total	**33,748**	**33,904**	**35,178**	**37,062**	**38,647**	**40,962**	**43,455**
Total Paper	15,025	15,295	15,821	16,560	17,320	18,112	19,157
Total Paperboard	15,972	15,926	16,727	17,847	18,594	19,954	21,332
Unbleached Kraft	5,214	5,342	5,814	6,316	6,750	7,600	8,301E
Semichemical	1,774	1,791	2,017	2,198	2,304	2,481	2,681E
Bleached Kraft	2,000	2,039	2,218	2,429	2,539	2,666	2,818E*
Recycled	6,984	6,754	6,678	6,905	7,001	7,207	7,532E
Wet Machine Board	145	175	155	146	141	148	144
Building Paper	1,435	1,410	1,391	1,429	1,453	1,533	1,574
Insulating Board	1,171	1,098	1,084	1,080	1,139	1,215	1,248
New Supply							
Total Paper	20,120	20,490	20,928	21,781	22,475	23,748	25,197
Newsprint	7,118	7,329	7,294	7,460	7,498	8,051	8,510
Printing/Writing Papers	6,863	7,077	7,329	7,772	8,153	8,655	9,348
Uncoated Groundwood	933	960	933	942	990	1,053	1,069
Coated	1,967	2,096	2,138	2,266	2,398	2,572	2,767
Uncoated Free Sheet	3,051	3,076	3,239	3,431	3,609	3,824	4,198
Thin and Cotton Fiber	244	251	260	290	287	301	314
Bleached Bristols	668	694	759	843	869	905	1,000
Packaging and Ind. Conv. Papers	4,023	3,893	3,997	4,143	4,258	4,316	4,473
Unbleached Kraft	2,796	2,730	2,767	2,889	3,024	3,038	3,150
Other	1,227	1,163	1,230	1,254	1,234	1,278	1,323
Tissue	2,116	2,191	2,305	2,406	2,566	2,725	2,866
Total Paperboard	15,604	15,475	16,201	17,312	17,941	18,976	20,301
Unbleached Kraft	4,902	4,970	5,417	5,890	6,254	6,843	7,401
Semichemical	1,753	1,760	1,955	2,154	2,221	2,374	2,626
Bleached Board	1,983	2,016	2,186	2,396	2,500	2,621	2,771
Recycled	6,966	6,729	6,643	6,872	6,966	7,138	7,503
Construction and Other	2,752	2,675	2,610	2,644	2,733	2,917	2,972
Total All Grades	**38,476**	**38,640**	**39,739**	**41,737**	**43,149**	**45,641**	**48,470**
Paper and Products	20,072	20,441	20,953	21,794	22,438	23,689	25,130
Paperboard and Products	15,534	15,401	16,083	17,178	17,810	18,871	20,168
Total including Products	**38,358**	**38,517**	**39,646**	**41,616**	**42,981**	**45,477**	**48,270**
Real G.N.P.- $ Bil., 1982 Prices Revised Series	**1,629.1**	**1,665.3**	**1,708.7**	**1,799.4**	**1,873.3**	**1,973.3**	**2,087.6**
Ratio of New Supply to Real GNP - Revised							
Total Paper	12.350	12.304	12.248	12.105	11.998	12.035	12.070
Newsprint	4.369	4.401	4.269	4.146	4.003	4.080	4.076
Printing/Writing Papers	4.213	4.250	4.289	4.319	4.352	4.386	4.478
Uncoated Groundwood	0.573	0.576	0.546	0.524	0.528	0.534	0.512
Coated	1.207	1.259	1.251	1.259	1.280	1.303	1.325
Uncoated Free Sheet	1.873	1.847	1.896	1.907	1.927	1.938	2.011
Thin and Cotton Fiber	0.150	0.151	0.152	0.161	0.153	0.153	0.150
Bleached Bristols	0.410	0.417	0.444	0.468	0.464	0.459	0.479
Packaging and Ind. Conv. Papers	2.469	2.338	2.339	2.302	2.273	2.187	2.143
Unbleached Kraft	1.716	1.639	1.619	1.606	1.614	1.540	1.509
Other	0.753	0.698	0.720	0.697	0.659	0.648	0.634
Tissue	1.299	1.316	1.349	1.337	1.370	1.381	1.373
Total Paperboard	9.578	9.293	9.481	9.621	9.577	9.616	9.725
Unbleached Kraft	3.009	2.984	3.170	3.273	3.338	3.468	3.545
Semichemical	1.076	1.057	1.144	1.197	1.186	1.203	1.258
Bleached Board	1.217	1.211	1.279	1.332	1.335	1.328	1.327
Recycled	4.276	4.041	3.888	3.819	3.719	3.617	3.594
Construction and Other	1.689	1.606	1.527	1.469	1.459	1.478	1.424
Total All Grades	**23.618**	**23.203**	**23.257**	**23.195**	**23.034**	**23.129**	**23.218**
Paper and Products	12.321	12.275	12.263	12.112	11.978	12.005	12.038
Paperboard and Products	9.535	9.248	9.412	9.547	9.507	9.563	9.661
Total Including Products	**23.546**	**23.129**	**23.202**	**23.128**	**22.944**	**23.046**	**23.122**

* - About 5% of this total is bleached bristols that may also be included in total paper.

NOTE: The new supply data in this table are based upon the shipments data shown in Table I and in part, on the import-export data as reported by the Bureau of the Census and published in the current and earlier issues of the Statistics of Paper and Paperboard. Imports of newsprint, uncoated groundwood paper, coated paper and uncoated free sheet paper have been adjusted to reflect Canadian data on shipments of the grades to the United States. New supply of paper and products and paperboard and products was calculated using the Census import and export totals for all grades. See Tables XXXV and XXXVI for the adjusted import and export data used. E - Estimate

TABLE X (Cont.)

PAPER AND PAPERBOARD

PRODUCTION, NEW SUPPLY AND NEW SUPPLY/REAL G.N.P.

1959-1986

000 Short Tons	1966	1967	1968	1969	1970	1971	1972
Production - Total	**46,702**	**46,568**	**50,134**	**52,912**	**51,670**	**53,162**	**57,434**
Total Paper	20,725	20,926	22,168	23,435	23,336	23,704	25,340
Total Paperboard	23,179	22,819	24,904	26,376	25,383	26,037	28,502
Unbleached Kraft	9,303E	9,485E	10,762	11,816	11,541	11,800	13,268
Semichemical	2,969E	3,057E	3,475	3,697	3,518	3,700	4,010
Bleached Kraft	3,053E*	3,060E*	3,324	3,541	3,343	3,381	3,686
Recycled	7,853E	7,217E	7,343	7,322	6,981	7,156	7,538
Wet Machine Board	148	144	155	148	139	138	148
Building Paper	1,495	1,503	1,574	1,603	1,594	1,837	1,915
Insulating Board	1,155	1,176	1,333	1,352	1,219	1,446	1,529
New Supply							
Total Paper	27,323	27,231	28,263	29,959	29,633	30,064	32,014
Newsprint	9,268	9,165	9,307	9,959	9,797	9,773	10,269
Printing/Writing Papers	10,362	10,208	10,488	11,204	10,999	11,275	12,291
Uncoated Groundwood	1,217	1,163	1,219	1,306	1,310	1,323	1,334
Coated	3,039	3,041	3,045	3,240	3,167	3,124	3,411
Uncoated Free Sheet	4,676	4,584	4,769	5,163	5,098	5,413	5,996
Thin and Cotton Fiber	351	345	351	371	353	338	390
Bleached Bristols	1,079	1,077	1,104	1,124	1,071	1,077	1,160
Packaging and Ind. Conv. Papers	4,610	4,645	5,033	5,205	5,139	5,199	5,497
Unbleached Kraft	3,269	3,233	3,494	3,602	3,582	3,598	3,791
Other	1,341	1,412	1,539	1,603	1,557	1,601	1,706
Tissue	3,083	3,212	3,435	3,591	3,698	3,817	3,957
Total Paperboard	22,063	21,498	23,325	24,526	23,495	23,938	26,279
Unbleached Kraft	8,332	8,317	9,388	10,135	9,858	9,976	11,381
Semichemical	2,905	2,981	3,381	3,645	3,434	3,596	3,898
Bleached Board	2,994	2,999	3,216	3,432	3,229	3,224	3,468
Recycled	7,832	7,201	7,340	7,314	6,974	7,142	7,532
Construction and Other	2,791	2,827	3,073	3,105	2,972	3,467	3,650
Total All Grades	**52,175**	**51,554**	**54,661**	**57,590**	**56,100**	**57,469**	**61,943**
Paper and Products	27,386	27,238	28,303	30,002	29,764	30,371	32,246
Paperboard and Products	21,940	21,369	22,975	24,314	23,232	23,613	26,142
Total including Products	**52,117**	**51,434**	**54,351**	**57,421**	**55,968**	**57,451**	**62,038**
Real G.N.P.- $ Bil., 1982 Prices Revised Series	**2,208.3**	**2,271.3**	**2,365.6**	**2,423.3**	**2,416.7**	**2,484.8**	**2,608.5**
Ratio of New Supply to Real GNP - Revised							
Total Paper	12.373	11.989	11.947	12.363	12.264	12.099	12.273
Newsprint	4.197	4.035	3.933	4.110	4.055	3.933	3.937
Printing/Writing Papers	4.692	4.494	4.434	4.623	4.551	4.538	4.712
Uncoated Groundwood	0.551	0.512	0.515	0.539	0.542	0.532	0.511
Coated	1.376	1.339	1.287	1.337	1.311	1.257	1.308
Uncoated Free Sheet	2.117	2.018	2.016	2.131	2.109	2.178	2.298
Thin and Cotton Fiber	0.159	0.152	0.148	0.153	0.146	0.136	0.150
Bleached Bristols	0.489	0.474	0.467	0.464	0.443	0.433	0.445
Packaging and Ind. Conv. Papers	2.088	2.045	2.128	2.148	2.126	2.092	2.107
Unbleached Kraft	1.480	1.423	1.477	1.486	1.482	1.448	1.453
Other	0.607	0.622	0.651	0.661	0.644	0.644	0.654
Tissue	1.396	1.414	1.452	1.482	1.531	1.536	1.517
Total Paperboard	9.991	9.465	9.860	10.121	9.724	9.634	10.074
Unbleached Kraft	3.773	3.662	3.969	4.182	4.080	4.015	4.363
Semichemical	1.315	1.312	1.429	1.504	1.421	1.447	1.494
Bleached Board	1.356	1.320	1.359	1.416	1.336	1.297	1.329
Recycled	3.547	3.170	3.103	3.018	2.886	2.874	2.887
Construction and Other	1.264	1.245	1.299	1.281	1.230	1.395	1.399
Total All Grades	**23.627**	**22.698**	**23.107**	**23.765**	**23.218**	**23.128**	**23.747**
Paper and Products	12.401	11.992	11.964	12.381	12.319	12.223	12.362
Paperboard and Products	9.935	9.408	9.712	10.033	9.615	9.503	10.022
Total Including Products	**23.600**	**22.645**	**22.976**	**23.695**	**23.164**	**23.121**	**23.783**

* - About 5% of this total is bleached bristols that may also be included in total paper
E - Estimate

TABLE X (Cont.)

PAPER AND PAPERBOARD

PRODUCTION, NEW SUPPLY AND NEW SUPPLY/REAL G.N.P.

1959-1986

000 Short Tons	1973	1974	1975	1976	1977	1978	1979
Production - Total	**59,900**	**59,040**	**50,976**	**58,329**	**60,040**	**62,047**	**64,345**
Total Paper	26,775	26,841	23,241	26,554	27,703	28,296	29,641
Total Paperboard	29,571	28,915	24,756	28,440	28,953	30,275	31,429
Unbleached Kraft	13,563	13,333	11,543	13,332	13,651	14,372	15,151
Semichemical	4,260	4,175	3,702	4,105	4,264	4,439	4,689
Bleached Kraft	3,864	3,773	3,343	3,844	3,721	3,979	3,998
Recycled	7,885	7,634	6,168	7,158	7,317	7,485	7,591
Wet Machine Board	149	144	115	130	129	136	144
Building Paper	1,858	1,845	1,615	1,771	1,852	1,915	1,868
Insulating Board	1,547	1,295	1,249	1,434	1,403	1,425	1,263
New Supply							
Total Paper	34,005	34,154	28,242	32,490	34,126	35,968	37,423
Newsprint	10,877	10,955	9,048	9,917	10,080	10,788	11,159
Printing/Writing Papers	13,472	13,550	10,913	13,256	14,246	15,220	16,054
Uncoated Groundwood	1,388	1,460	1,316	1,588	1,794	1,907	2,123
Coated	3,711	3,693	3,037	3,842	4,223	4,540	4,587
Uncoated Free Sheet	6,729	6,794	5,295	6,439	6,793	7,230	7,891
Thin and Cotton Fiber	410	401	334	363	384	435	468
Bleached Bristols	1,234	1,201	931	1,024	1,052	1,108	985
Packaging and Ind. Conv. Papers	5,640	5,587	4,334	5,151	5,577	5,754	5,701
Unbleached Kraft	3,916	3,951RS	3,070	3,598	3,720	3,884	3,935
Other	1,724	1,636RS	1,264	1,553	1,857*	1,870*	1,766
Tissue	4,016	4,062	3,948	4,166	4,269	4,206	4,509
Total Paperboard	27,590	26,799	23,311	26,744	27,150	28,335	29,250
Unbleached Kraft	11,972	11,760	10,485	12,089	12,376	12,938	13,532
Semichemical	4,153	4,029	3,587	3,986	4,142	4,368	4,624
Bleached Board	3,584	3,453	3,087	3,538	3,332	3,546	3,502
Recycled	7,881	7,557	6,152	7,131	7,300	7,483	7,592
Construction and Other	3,604	3,301	3,001	3,367	3,464	3,737	3,598
Total All Grades	**65,199**	**64,254**	**54,554**	**62,601**	**64,740**	**68,038**	**70,271**
Paper and Products	34,037	33,719	28,298	32,485	34,081	36,153	37,358
Paperboard and Products	27,362	26,288	22,811	26,161	26,696	27,897	28,840
Total Including Products	**65,003**	**63,308**	**54,110**	**62,013**	**64,241**	**67,787**	**69,796**
Real G.N.P.- $ Bil.,1982 Prices Revised Series	**2,744.1**	**2,729.3**	**2,695.0**	**2,826.7**	**2,958.6**	**3,115.2**	**3.192.3**
Ratio of New Supply to Real G.N.P							
Total Paper	12.392	12.514	10.479	11.494	11.535	11.546	11.723
Newsprint	3.964	4.014	3.357	3.508	3.407	3.463	3.496
Printing/Writing Papers	4.909	4.965	4.049	4.690	4.815	4.885	5.029
Uncoated Groundwood	0.506	0.535	0.488	0.562	0.606	0.612	0.665
Coated	1.352	1.353	1.127	1.359	1.427	1.457	1.437
Uncoated Free Sheet	2.452	2.489	1.965	2.278	2.296	2.321	2.472
Thin and Cotton Fiber	0.149	0.147	0.124	0.128	0.130	0.140	0.147
Bleached Bristols	0.450	0.440	0.345	0.362	0.356	0.356	0.309
Packaging and Ind. Conv. Papers	2.055	2.047	1.608	1.822	1.885	1.847	1.786
Unbleached Kraft	1.427	1.448	1.139	1.273	1.257	1.247	1.233
Other	0.628	0.599	0.469	0.549	0.628	0.600	0.553
Tissue	1.464	1.488	1.465	1.474	1.443	1.350	1.412
Total Paperboard	10.054	9.819	8.650	9.461	9.177	9.096	9.163
Unbleached Kraft	4.363	4.309	3.891	4.277	4.183	4.153	4.239
Semichemical	1.513	1.476	1.331	1.410	1.400	1.402	1.448
Bleached Board	1.306	1.265	1.145	1.252	1.126	1.138	1.097
Recycled	2.872	2.769	2.283	2.523	2.467	2.402	2.378
Construction and Other	1.313	1.209	1.114	1.191	1.171	1.200	1.127
Total All Grades	**23.978**	**23.542**	**20.243**	**22.146**	**21.882**	**21.841**	**22.013**
Paper and Products	12.404	12.354	10.500	11.492	11.519	11.605	11.703
Paperboard and Products	9.971	9.632	8.464	9.255	9.023	8.955	9.034
Total Including Products	**23.688**	**23.196**	**20.078**	**21.938**	**21.713**	**21.760**	**21.864**

NOTE: The new supply data in this table are based upon the shipments data shown in Table I and the import-export data as reported by the Bureau of the Census and published in the current and earlier issues of the Statistics of Paper and Paperboard. Imports of newsprint, uncoated groundwood paper, coated paper and uncoated free sheet paper have been adjusted to reflect Canadian data on shipments of these grades to the United States. New supply of paper and products and of paperboard and products was calculated using Census import and export totals for all grades. See Tables XXXV and XXXVI for the adjusted import and export data used. RS - Revised Series

* Data overstated by about 10%, as indicated by revision of 1979 data in 1980 report.

TABLE X (Cont.)

PAPER AND PAPERBOARD

PRODUCTION, NEW SUPPLY AND NEW SUPPLY/REAL G.N.P.

1959-1986

000 Short Tons	1980	1981R	1982R	1983R	1984R	1985R	1986P
Production - Total	**63,536**	**64,259**	**60,962**	**66,765**	**70,268**	**68,830**	**72,662**
Total Paper	30,026	30,877	30,235	32,788	34,429	33,996	35,443
Total Paperboard	30,952	31,232	29,065	32,177	34,039	33,034	35,419
Unbleached Kraft	15,295	15,602	14,535	16,122	17,185	16,368	17,689
Semichemical	4,724	4,719	4,389	4,730	5,169	5,088	5,376
Bleached Kraft	3,862	3,910	3,665	3,926	4,048	3,948	4,271
Recycled	7,071	7,001	6,476	7,398	7,636	7,630	8,083
Wet Machine Board	138	160	129	140E	140E	140E	140E
Building Paper	1,369	1,144	798	760E	700E	700E	700E
Insulating Board	1,051	846	735	900E	960E	960E	960E
New Supply							
Total Paper	37,035	37,523	36,602	40,216	43,538	43,478	45,203
Newsprint	11,377	11,696	10,948	11,597	12,721	12,838	12,994
Printing/Writing Papers	16,097	16,116	16,212	18,491	20,436	20,529	21,989
Uncoated Groundwood	2,086	2,001	2,068	2,414	2,833	2,871	3,026
Coated	4,643	4,843	4,979	5,799	6,592	6,289	6,686
Uncoated Free Sheet	8,015	7,871	7,896	8,889	9,546	10,005	10,836
Thin and Cotton Fiber	415	439	394	436	478	412	425
Bleached Bristols	937	962	876	953	987	952	1,016
Packaging and Ind. Conv. Papers	5,243	5,241	5,014	5,341	5,447	5,133	5,076
Unbleached Kraft	3,707	3,654	3,497	3,591	3,620	3,399	3,340
Other	1,536	1,587	1,517	1,749	1,827	1,734	1,736
Tissue	4,318	4,470	4,428	4,787	4,934	4,979	5,144
Total Paperboard	27,716	28,741	26,526	29,333	31,551	30,707	32,873
Unbleached Kraft	12,959	13,764	12,639	13,890	15,169	14,589	15,689
Semichemical	4,432	4,616	4,252	4,608	5,124	4,964	5,264
Bleached Board	3,313	3,353	3,140	3,411	3,570	3,483	3,862
Recycled	7,012	7,007	6,495	7,424	7,688	7,672	8,058
Construction and Other	2,968	2,468	2,024	2,210E	2,222E	2,148E	2,046E
Total All Grades	**67,718**	**68,732**	**65,152**	**71,759**	**77,311**	**76,333**	**80,121**
Paper and Products	36,938	37,309	36,552	40,017	43,630	43,876	45,606
Paperboard and Products	27,198	28,180	26,164	28,956	31,105	30,257	32,115
Total Including Products	**67,103**	**67,957**	**64,740**	**71,183**	**76,956**	**76,281**	**79,766**
Real G.N.P.- $ Bil., 1982 Prices Revised Series	**3,187.2**	**3,248.7**	**3,166.0**	**3,279.1**	**3,501.4**	**3,607.5**	**3,713.3**
Ratio of New Supply to Real G.N.P.							
Total Paper	11.620	11.550	11.562	12.265	12.435	12.052	12.173
Newsprint	3.570	3.599	3.458	3.537	3.633	3.559	3.499
Printing/Writing Papers	5.051	4.961	5.121	5.639	5.836	5.691	5.922
Uncoated Groundwood	0.654	0.616	0.653	0.736	0.809	0.796	0.815
Coated	1.457	1.491	1.573	1.768	1.883	1.743	1.801
Uncoated Free Sheet	2.515	2.423	2.494	2.711	2.726	2.773	2.918
Thin and Cotton Fiber	0.130	0.135	0.124	0.133	0.137	0.114	0.115
Bleached Bristols	0.294	0.296	0.277	0.291	0.282	0.264	0.274
Packaging and Ind. Conv. Papers	1.645	1.613	1.584	1.629	1.556	1.423	1.367
Unbleached Kraft	1.163	1.125	1.105	1.095	1.034	0.942	0.899
Other	0.482	0.489	0.479	0.533	0.522	0.481	0.468
Tissue	1.355	1.377	1.399	1.460	1.409	1.380	1.385
Total Paperboard	8.696	8.847	8.378	8.945	9.011	8.512	8.853
Unbleached Kraft	4.066	4.237	3.992	4.236	4.332	4.044	4.225
Semichemical	1.391	1.421	1.343	1.405	1.463	1.376	1.417
Bleached Board	1.039	1.032	0.992	1.040	1.020	0.965	1.040
Recycled	2.200	2.157	2.051	2.264	2.196	2.127	2.170
Construction and Other	0.931	0.760	0.639	0.674E	0.635E	0.595E	0.551E
Total All Grades	**21.247**	**21.157**	**20.579**	**21.884**	**22.080**	**21.160**	**21.577**
Paper and Products	11.589	11.484	11.545	12.204	12.461	12.162	12.282
Paperboard and Products	8.533	8.674	8.264	8.830	8.883	8.387	8.649
Total Including Products	**21.054**	**20.918**	**20.449**	**21.708**	**21.979**	**21.145**	**21.481**

* Data overstated by about 10%, as indicated by revision of 1979 data in 1980 report

R - Revised P - Preliminary E - Estimated by API

TABLE XI

UNITED STATES CAPACITY TO PRODUCE PAPER AND BOARD

1974 - 1989

(THOUSANDS OF TONS)

	1974	1975	1976	1977	1978	1979	1980	1981
TOTAL PAPER AND BOARD	**63,779**	**64,369**	**65,673**	**66,459**	**67,419**	**69,033**	**70,716**	**72,255**
Total Paper	**28,532**	**28,922**	**29,210**	**29,831**	**30,460**	**31,179**	**32,659**	**33,706**
Newsprint #	3,722*	3,848	4,014	4,069	4,104	4,199	4,836	5,457
Total Printing, Writing & Related	14,128	14,275	14,494	14,975	15,566	16,057	16,798	17,302
Groundwood Uncoated #	1,280	1,329	1,309	1,367	1,453	1,541	1,624	1,625
Coated Papers - Total	4,075	4,065	4,202	4,397	4,546	4,822	4,984	5,292
Coated Groundwood	--	2,127	2,299	2,408	2,450	2,554	2,762	3,047
Coated Free Sheet	--	1,938	1,903	1,989	2,096	2,268	2,222	2,245
Uncoated Free Sheet	7,046	7,180	7,319	7,465	7,847	8,152	8,645	8,828
Cotton Fiber	142	139	142	133	131	134	139	147
Thin	351	367	358	402	395	393	382	374
Solid Bleached Bristols	1,235	1,194	1,165	1,213	1,194	1,016	1,024	1,035
Total Packaging & Ind. Conv.	6,360	6,368	6,202	6,242	6,146	6,053	6,072	5,913
Unbleached Kraft	4,389	4,333	4,218	4,317	4,223	4,098	4,110	3,961
Bleached Pkg. & Ind. Conv.	1,291	1,194**	1,128	1,069	1,041	1,105	1,095	1,083
Specialty Pkg.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	597	554
Other	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	498	529
Special Industrial	679	841	856	856	883	850	866	870
Tissue	4,322	4,432	4,500	4,545	4,644	4,870	4,954	5,035
Total Paperboard	**30,995**	**31,218**	**32,097**	**32,173**	**32,631**	**33,436**	**33,709**	**34,466**
Total Unbleached Kraft Packaging & Industrial Converting	13,965	14,157	14,568	14,793	15,054	15,546	15,967	16,738
Linerboard	12,901	13,138	13,448	13,586	13,864	14,199	14,586	15,372
Folding Boxboard	479	484	595	645	650	827	852	799
Other	585	536	525	561	540	520	529	567
Total Bleached Packaging Paperboard	3,920	3,807	3,998	4,020	4,197	4,268	4,180	4,141
Folding Boxboard	1,851	1,751	1,915	1,930	1,996	2,061	1,954	1,966
Milk Carton & Food Service	1,848	1,859	1,854	1,824	1,899	1,877	1,865	1,839
Linerboard	108	95	101	97	122	137	116	106
Other	113	102	128	170	179	193	246	230
Semichemical Paperboard	4,430	4,536	4,758	4,661	4,739	4,864	4,946	4,988
Total Recycled Paperboard	8,680	8,717	8,774	8,699	8,642	8,757	8,617	8,599
Linerboard	430	364	361	392	361	432	509	463
Corrugating Medium	1,358	1,449	1,476	1,337	1,343	1,392	1,330	1,349
Container Chip & Filler	344	408	398	403	311	287	283	309
Folding	2,665	2,658	2,705	2,674	2,568	2,615	2,593	2,633
Set-Up	505	465	450	443	418	404	349	335
Gypsum Wall Board Facing	1,100	1,063	1,046	1,112	1,238	1,273	1,238	1,251
Other	2,278	2,310	2,337	2,337	2,403	2,355	2,313	2,260
Total Paper and Paperboard	**59,527**	**60,140**	**61,307**	**62,004**	**63,091**	**64,615**	**66,368**	**68,172**
Total Wet Machine Board	**188**	**217**	**216**	**180**	**145**	**154**	**163**	**157**
Total Construction Paper & Board	**4,063**	**4,011**	**4,149**	**4,276**	**4,182**	**4,265**	**4,184**	**3,926**
Construction Paper	2,165	2,270	2,317	2,364	2,352	2,380	2,345	2,111
Insulating Board	1,898	1,741	1,832	1,912	1,830	1,885	1,839	1,815
Total Hard Pressed Board ###	**2,334**	**2,460**	**2,511**	**2,536##**	**2,525##**	**2,556##**	**2,556##**	**N.A.**

SOURCE: American Paper Institute, Paper, Paperboard and Wood Pulp Capacity Survey, various issues to October 1986.

N.A. - Not Available

* - Average basis weight changed from 32 lbs. to 30 lbs. during 1974.

** - Reflects shift of about 215,000 tons of bleached kraft envelope paper to uncoated free sheet in 1975 and later years.

\# - Not directly comparable with shipments data in Table II in 1972-1977 because of redefinition of certain grades from uncoated groundwood paper to newsprint.

- As reported in 1976 Capacity Survey.

- Hard Pressed Board not included in Total Paper and Board.

TABLE XI (Cont.)

UNITED STATES CAPACITY TO PRODUCE PAPER AND BOARD

1974 - 1989

(THOUSANDS OF TONS)

	1982	1983	1984	1985	1986F	1987F	1988F	1989F
TOTAL PAPER AND BOARD	**73,118**	**74,017**	**75,943**	**76,622**	**77,833**	**79,593**	**80,991**	**82,051**
Total Paper	**34,665**	**35,675**	**37,106**	**37,581**	**38,102**	**39,248**	**40,140**	**40,858**
Newsprint	5,654	5,774	5,851	5,788	5,859	5,917	5,956	5,968
Total Printing, Writing & Related	17,809	18,633	19,890	20,463	20,963	22,019	22,700	23,270
Groundwood Uncoated	1,655	1,710	1,704	1,710	1,621	1,573	1,676	1,776
Coated Papers-Total	5,516	5,995	6,557	6,665	6,814	7,440	7,796	8,130
Coated Groundwood	3,242	3,522	3,766	3,820	3,922	4,324	4,498	4,657
Coated Free Sheet	2,274	2,473	2,791	2,845	2,892	3,120	3,298	3,473
Uncoated Free Sheet	9,039	9,354	10,058	10,515	10,955	11,416	11,627	11,739
Cotton Fiber	161	162	181	187	186	189	191	192
Thin	369	347	338	326	313	313	313	313
Solid Bleached Bristols	1,069	1,065	1,051	1,059	1,075	1,084	1,097	1,121
Total Packaging & Ind. Conv.	6,076	6,078	6,088	5,985	5,773	5,661	5,691	5,710
Unbleached Kraft	4,091	4,065	3,972	3,808	3,619	3,499	3,511	3,520
Bleached Pkg. & Ind. Conv.	1,080	1,119	1,148	1,104	1,067	1,070	1,070	1,069
Specialty Pkg.	553	569	599	519	521	522	522	521
Other	527	550	549	585	546	548	548	548
Special Industrial	906	894	968	1,074	1,087	1,093	1,111	1,121
Tissue	5,125	5,190	5,276	5,345	5,508	5,651	5,793	5,910
Total Paperboard	**35,421**	**35,451**	**35,992**	**36,720**	**37,516**	**38,135**	**38,637**	**38,978**
Total Unbleached Kraft Packaging & Industrial Converting	17,402	17,511	17,834	18,144	18,502	18,811	19,158	19,383
Linerboard	16,032	16,217	16,565	16,739	17,078	17,328	17,607	17,810
Folding Boxboard	860	800	792	905	920	981	1,050	1,071
Other	509	493	477	500	504	501	501	501
Total Bleached								
Packaging Paperboard	4,123	4,129	4,185	4,370	4,538	4,597	4,623	4,642
Folding Boxboard	1,988	1,992	2,095	2,223	2,337	2,373	2,391	2,408
Milk Carton & Food Service	1,812	1,812	1,771	1,843	1,916	1,941	1,948	1,949
Linerboard	104	111	119	131	118	113	113	113
Other	219	215	200	173	167	170	170	172
Semichemical Paperboard	5,207	5,119	5,252	5,411	5,528	5,557	5,597	5,654
Total Recycled Paperboard	8,690	8,692	8,722	8,795	8,948	9,171	9,259	9,299
Linerboard	379	395	393	422	548	605	613	613
Corrugating Medium	1,478	1,427	1,524	1,523	1,541	1,658	1,709	1,723
Container Chip & Filler	273	247	228	53#	41	41	41	41
Folding	2,676	2,671	2,626	2,640	2,599	2,631	2,646	2,661
Set-Up	331	324	296	289	279	280	281	282
Gypsum Wall Board Facing	1,255	1,217	1,249	1,265	1,289	1,296	1,298	1,299
Other	2,298	2,412	2,405	2,603#	2,651	2,659	2,671	2,680
Total Paper and Paperboard	**70,086**	**71,126**	**73,098**	**74,301**	**75,618**	**77,383**	**78,777**	**79,836**
Total Wet Machine Board	**160**	**173**	**170**	**160**	**160**	**160**	**160**	**160**
Total Construction Paper & Board	**2,716**	**2,676**	**2,227**	**2,161**	**2,055**	**2,050**	**2,055**	**2,055**
Construction Paper	1,306	1,234	1,227	937	877	872	877	877
Insulating Board	1,566	1,484	1,449	1,224	1,178	1,178	1,178	1,178

SOURCE: American Paper Institute, Paper, Paperboard and Wood Pulp Capacity Survey various issues to October 1986.
F - Forecast as reported in October 1986 Capacity Survey
N.A. - Not Available # - Reflects shift of 160,000 on non-containerboard grade to "other" recycled paperboard.

TABLE XII

WOOD PULP CAPACITY

1974 - 1989

(Thousands of Tons)

	1974	1975	1976	1977	1978	1979	1980	1981
TOTAL ALL GRADES (1)	**48,995**	**48,502**	**50,547**	**51,849**	**51,714**	**53,636**	**55,214**	**56,831**
Dissolving and Special Alpha	1,824	1,671	1,571	1,648	1,573	1,551	1,590	1,598
Chemical Paper Grades	36,912	37,411	38,292	39,174	39,997	40,897	41,893	43,143
Sulfite, Paper Grades Total	2,401	2,420	2,417	2,252	2,095	2,004	1,909	1,855
Bleached	2,014	1,993	1,972	1,812	1,675	1,595	1,512	1,464
Unbleached	387	427	445	440	420	409	397	391
Sulfate and Soda Total	34,511	34,991	35,875	36,922	37,903	38,893	39,983	41,288
Bleached Total	14,522	14,764	15,042	15,822	18,171	18,969	19,695	20,316
Hardwood	7,105	7,201	7,208	7,310	7,729	8,072	8,356	8,559
Softwood	7,417	7,563	7,835	8,512	10,442	10,897	11,339	11,757
Semi-Bleached Total	1,539	1,469	1,539	1,547	(2)	(2)	(2)	(2)
Hardwood	33	7	19	12				
Softwood	1,506	1,462	1,520	1,536				
Unbleached	18,451	18,758	19,293	19,552	19,732	19,923	20,288	20,972
Semichemical Total	4,233	4,246	4,402	4,514	4,572	4,553	4,601	4,597
Bleached	330	334	345	345	339	336	384	350
Unbleached	3,903	3,912	4,057	4,169	4,234	4,217	4,217	4,247
Mechanical Total (Groundwood)	5,930	6,090	6,204	6,442	6,507	6,572	7,069	7,434
For Paper and Board	4,572	4,247	4,416	4,502	4,580	4,573	5,070	5,494
Stone Groundwood	-	3,615	3,540	3,397	3,328	3,255	3,212	3,239
Refiner	-	500	543	538	533	507	486	489
Thermo-Mechanical	-	131	333	567	719	811	1,371	1,766
For Other Paper and Board	1,358E	1,843	1,788	1,939	1,926	1,999	1,999	1,940
Stone and Refiner	-	523	537	525	529	594	647	651
Defibrated and Exploded	1,358E	1,320E	1,251E	1,414	1,397	1,406	1,352	1,289
Screenings	97	84	78	71	65	63	61	58
MARKET PULP								
Total All Grades	**5,557**	**5,412**	**5,407**	**5,467**	**5,746**	**6,334**	**6,801**	**6,972**
Dissolving	1,636	1,488	1,421	1,611	1,573	1,551	1,576	1,579
Chemical Paper Grades	3,921	3,924	3.986	3,856	4,069	4,632	5,129	5,375
Sulfate	3,431	3,430	3,411	3,444	3,760	4,332	4,761	5,034
Bl. and Semi-Bleached	3,240	3,218	3,194	3,280	3,653	4,228	4,589	4,867
Unbleached	191	212	218	164	107	104	172	167
Sulfite	471	460	459	301	309	350	369	341
All Other	19	34	116	111	104	101	96	17
- No Data Available								
(1) Excludes defribrated and exploded wood pulp for hard pressed board as folows:	2,300	2,425	2,500	2,500	N.A.	N.A.	N.A.	N.A.
(2) Semi-Bleached Total included with Bleached.								
E - Estimate								
N.A.- Not available								

TABLE XII (Cont.)

WOOD PULP CAPACITY

1974 - 1989

(Thousands of Tons)

	1982	1983	1984	1985	1986F	1987F	1988F	1989F
TOTAL ALL GRADES (1)	**57,638**	**57,590**	**59,001**	**59,615**	**60,507**	**61,286**	**61,781**	**62,150**
Dissolving and Special Alpha	1,606	1,525	1,487	1,454	1,444	1,444	1,444	1,444
Chemical Paper Grades	43,971	44,284	45,479	46,544	47,384	48,005	48,319	48,594
Sulfite, Paper Grades Total	1,780	1,788	1,750	1,738	1,705	1,647	1,587	1,591
Bleached	1,383	1,404	1,445	1,482	1,505	1,447	1,387	1,391
Unbleached	397	385	305	256	200	200	200	200
Sulfate and Soda Total	42,191	42,495	43,729	44,806	45,679	46,358	46,732	47,003
Bleached and Semi-Bleached - Total	20,757	21,290	22,357	23,624	24,407	25,141	25,327	25,512
Hardwood	8,705	9,179	9,867	10,750	11,210	11,599	11,717	11,830
Softwood	12,052	12,111	12,490	12,874	13,197	13,542	13,610	13,682
Unbleached	21,435	21,206	21,372	21,182	21,272	21,217	21,405	21,491
Semichemical Total	4,734	4,490	4,625	4,650	4,625	4,579	4,561	4,578
Bleached	356	367	381	395	402	402	402	402
Unbleached	4,378	4,122	4,244	4,255	4,222	4,177	4,159	4,175
Mechanical Total (Groundwood)	7,293	7,261	7,380	6,938	7,022	7,226	7,424	7,502
For Paper and Board	5,780	5,814	6,122	5,964	6,069	6,289	6,487	6,565
Stone Groundwood	3,260	3,146	3,168	3,006	3,020	2,903	2,993	3,002
Refiner	472	480	501	459	410	410	489	544
Thermo-Mechanical	2,048	2,188	2,453	2,499	2,639	2,896	3,005	3,019
For Other Paper and Board	1,513	1,447	1,259	974	953	937	937	937
Stone and Refiner	628	576	469	269	251	251	251	251
Defibrated and Exploded	885	871	789	705	702	687	687	687
Screenings	34	31	29	29	32	32	32	32
MARKET PULP								
Total All Grades	**7,079**	**7,414**	**7,530**	**7,989**	**7,804**	**7,814**	**7,826**	**7,852**
Dissolving	1,598	1,519	1,487	1,446	1,443	1,443	1,443	1,443
Chemical Paper Grades	5,469	5,881	6,029	6,529	6,347	6,357	6,369	6,395
Sulfate	5,182	5,529	5,727	6,227	6,062	6,076	6,088	6,114
Bl. and Semi-Bleached	5,040	5,372	5,582	6,083	5,927	5,903	5,912	5,938
Unbleached	142	157	145	144	135	173	176	176
Sulfite	288	352	302	302	285	281	281	281
All Other	12	14	14	14	14	14	14	14

F - Forecast

TABLE XIII

IMPORTS

WOOD PULP, PAPER, PAPERBOARD AND PRODUCTS

1981 - 1986

	1981		1982		1983	
	Tons	$ 000	Tons	$ 000	Tons	$ 000
TOTAL ALL GRADES	**12,504,912**	**5,559,228**	**11,754,127**	**5,344,649**	**13,180,285**	**5,650,120**
WOOD PULP, ALL GRADES, TOTAL	**4,086,698**	**1,764,287**	**3,655,786**	**1,493,241**	**4,093,436**	**1,472,478**
Dissolving and Special Alpha	248,565	105,179	186,477	77,853	192,317	72,280
Sulphite, Paper Grades, Total	442,422	197,695	329,442	145,373	305,620	124,299
Bleached	352,262	162,189	280,068	125,800	254,546	106,116
Unbleached	90,160	35,506	49,374	19,573	51,074	18,183
Sulphate, Paper Grades, Total	3,212,878	1,413,170	2,972,567	1,228,889	3,400,659	1,228,776
Bleached	2,904,531	1,285,810	2,761,314	1,147,304	3,197,550	1,163,186
Semi-Bleached	142,727	62,094	78,608	33,156	66,996	25,124
Unbleached	165,620	65,266	132,645	48,429	136,113	40,466
Soda	**	**	**	**	**	**
Groundwood	158,606	37,422	144,336	32,861	184,342	43,545
Other*	24,227	10,821	22,964	8,265	10,498	3,577
WASTE PAPER	**79,064**	**13,405**	**74,332**	**9,450**	**100,410**	**10,537**
PAPER, PAPERBOARD AND PRODUCTS, TOTAL	**8,339,150**	**3,672,492**	**8,024,009**	**3,682,401**	**8,986,439**	**4,018,855**
PAPER, PAPERBOARD AND OTHER, TOTAL	**8,244,942**	**3,361,887**	**7,917,418**	**3,344,205**	**8,834,568**	**3,582,292**
PAPER, TOTAL#	**7,716,284**	**3,247,846**	**7,381,252**	**3,226,307**	**8,189,490**	**3,420,868**
Newsprint	**6,977,118**	**2,824,777**	**6,530,676**	**2,748,652**	**6,919,348**	**2,757,524**
Printing & Writing Paper, Total	**630,538**	**347,117**	**764,095**	**408,551**	**1,151,011**	**587,426**
Groundwood, Uncoated	458,915	219,697	514,882	248,196	732,237	331,017
Coated and Impregnated Paper	39,321	28,765	69,010	46,763	162,441	101,289
Uncoated Free Sheet	127,377	80,352	168,519	99,330	235,605	135,350
Uncoated Book	114,422	64,874	142,626	80,105	154,147	88,632
Writing Papers	12,955	15,478	25,893	19,225	81,458	46,718
Other Fine Paper	-	-	-	-	-	-
Thin Paper	12,015	17,647	11,293	13,846	20,258	19,213
Bristols	910	656	391	416	471	557
Packaging & Industrial Paper, Total	**93,588**	**71,124**	**79,653**	**63,863**	**107,521**	**75,694**
Unbleached Kraft	32,532	14,870	23,078	10,749	42,013	17,454
Other Packaging & Converting	52,724	41,615	47,842	38,290	51,982	37,372
Glassine & Greaseproof	4,797	7,929	5,949	8,909	8,159	11,857
Vegetable Parchment	44	232	172	424	330	602
Special Industrial Paper	3,491	6,478	2,612	5,491	5,038	8,408
Tissue Paper	**7,040**	**4,830**	**6,828**	**5,241**	**11,617**	**8,225**
PAPERBOARD, TOTAL	**130,478**	**34,518**	**114,808**	**29,698**	**167,818**	**46,160**
Test or Containerboard	48,169	12,071	35,983	8,459	48,119	13,042
Semichemical Corrugating	52,476	11,695	47,295	9,679	69,564	14,509
Other Paperboard	29,832	10,751	31,531	11,560	50,136	18,609
WET MACHINE BOARD	**1,684**	**1,185**	**1,842**	**1,239**	**3,584**	**2,422**
CONSTRUCTION PAPER & BOARD, TOTAL	**396,496**	**78,330**	**413,515**	**86,961**	**473,667**	**104,842**
Building Paper	355,284	65,927	371,186	70,964	393,148	77,004
Insulating and Other Building Board	41,212	12,411	48,330	15,997	80,519	27,837
PAPER AND PAPERBOARD PRODUCTS, TOTAL#	**94,208**	**310,605**	**106,591**	**338,196**	**151,872**	**436,563**
PAPER PRODUCTS, TOTAL#	**86,676**	**294,479**	**92,059**	**307,245**	**124,816**	**373,966**
Printing & Book Paper#	21,635	96,180	30,656	124,667	27,260	119,636
Writing & Related Paper	53,885	177,048	50,275	161,616	82,184	228,078
Special Industrial Paper	8,109	16,152	7,540	15,239	9,032	18,428
Tissue Paper	3,047	5,098	3,588	5,723	6,340	7,824
PAPERBOARD PRODUCTS, TOTAL	**7,531**	**16,126**	**14,532**	**30,951**	**27,055**	**62,597**
Hard Pressed Board (Not in totals)	**189,466**	**42,095**	**152,505**	**30,908**	**238,479**	**46,416**

* Includes Mixtures and Screenings
** Included with Sulphate Pulp Imports
# Coated and Impregnated Printing Papers included in Primary Coated Papers from 1977 on, in earlier years they were in Paper Products.

NOTE: Dollar figures for the value of shipments for which no tonnage figures were given are shown below. They are not included in the subtotals, but are in the Total All grades: ($ 000)

	$109,042	$159,558	$148,251

TABLE XIII (Cont.)

IMPORTS

WOOD PULP, PAPER, PAPERBOARD AND PRODUCTS

1981 - 1986

	1984		1985		1986	
	Tons	$ 000	Tons	$ 000	Tons	$ 000
TOTAL ALL GRADES	**15,675,105**	**7,180,256**	**16,074,779**	**7,457,087**	**16,617,525**	**7,860,748**
WOOD PULP, ALL GRADES, TOTAL	**4,490,081**	**1,844,768**	**4,465,746**	**1,520,907**	**4,581,760**	**1,601,378**
Dissolving and Special Alpha	161,066	62,186	175,011	58,956	254,699	87,725
Sulphite, Paper Grades, Total	459,810	190,689	424,510	159,609	482,205	168,299
Bleached	395,547	165,435	313,592	125,268	350,520	129,490
Unbleached	64,263	25,254	110,918	34,341	131,685	38,809
Sulphate, Paper Grades, Total	3,562,732	1,501,513	3,679,000	1,251,781	3,737,348	1,312,408
Bleached	3,383,516	1,433,377	3,496,344	1,193,242	3,570,693	1,256,971
Semi-Bleached	46,277	20,601	57,248	19,542	54,385	20,645
Unbleached	132,939	47,535	125,408	38,997	112,270	34,792
Soda	**	**	**	**	**	**
Groundwood	257,543	70,360	111,501	28,662	51,921	13,010
Other *	48,930	20,018	75,724	21,899	55,587	19,936
WASTE PAPER	**109,712**	**11,692**	**87,413**	**10,160**	**99,313**	**11,182**
PAPER, PAPERBOARD AND PRODUCTS, TOTAL	**11,075,312**	**5,323,796**	**11,521,619**	**5,697,802**	**11,936,452**	**6,035,850**
PAPER, PAPERBOARD AND OTHER, TOTAL	**10,855,990**	**4,782,630**	**11,238,094**	**5,074,482**	**11,546,545**	**5,247,129**
PAPER, TOTAL#	**10,113,718**	**4,592,641**	**10,637,428**	**4,906,882**	**10,925,453**	**5,051,917**
Newsprint	**7,893,877**	**3,299,570**	**8,496,568**	**3,638,716**	**8,587,507**	**3,682,351**
Printing and Writing Paper, Total	**2,044,045**	**1,170,144**	**1,912,867**	**1,116,225**	**2,029,302**	**1,179,802**
Groundwood, Uncoated	1,090,049	548,791	1,027,211	530,619	1,028,231	531,149
Coated and Impregnated Paper	428,274	295,844	496,072	363,855	501,382	359,495
Uncoated Free Sheet	478,628	285,212	364,848	198,432	453,638	254,627
Book, Uncoated	254,926	156,296	200,927	106,586	223,798	126,278
Writing Papers	223,702	128,916	163,921	91,846	229,841	128,349
Other Fine Paper	-	-	-	-	-	-
Thin Paper	46,427	39,513	23,712	22,276	45,351	33,831
Bristols	667	784	1,024	1,043	700	700
Packaging & Industrial Paper, Total	**145,484**	**102,565**	**172,003**	**116,390**	**242,571**	**146,212**
Unbleached Kraft	42,854	19,568	63,604	23,976	115,008	42,650
Other Packaging & Converting	83,860	53,927	85,052	56,429	101,841	63,002
Glassine & Greaseproof	11,659	16,506	15,027	20,881	15,158	20,822
Vegetable Parchment	696	1,000	1,165	1,700	1,412	2,000
Special Industrial Paper	6,415	11,564	7,154	13,405	9,151	17,737
Tissue Paper	**30,312**	**20,362**	**55,990**	**35,551**	**66,073**	**43,552**
PAPERBOARD, TOTAL	**242,616**	**73,892**	**184,201**	**55,875**	**281,448**	**87,818**
Test or Containerboard	70,028	22,218	50,975	16,848	78,063	25,596
Semichemical Corrugating	103,968	26,008	65,203	13,706	99,062	22,092
Other Paperboard	68,620	25,576	68,023	25,321	104,324	40,130
WET MACHINE BOARD	**2,826**	**2,017**	**3,270**	**2,585**	**3,235**	**2,525**
CONSTRUCTION PAPER & BOARD, TOTAL	**496,830**	**114,080**	**413,196**	**109,140**	**336,409**	**104,868**
Building Paper	388,790	77,075	289,195R	68,691	202,336	59,639
Insulating and Other Building Board	108,040	37,005	124,001R	40,449	134,073	45,229
PAPER AND PAPERBOARD PRODUCTS, TOTAL#	**219,322**	**541,166**	**283,526**	**623,320**	**389,907**	**788,721**
PAPER PRODUCTS, TOTAL#	**184,522**	**472,998**	**258,934**	**572,316**	**361,517**	**730,257**
Printing & Book Paper#	36,947	152,006	37,226	148,241	49,474	198,654
Writing & Related Paper	118,865	275,709	154,727	340,143	203,200	416,344
Packaging & Special Industrial Paper	12,964	28,709	16,773	36,407	40,243	53,154
Tissue Paper	15,746	16,574	50,208	47,534	68,600	62,105
PAPERBOARD PRODUCTS, TOTAL	**34,800**	**68,168**	**24,592**	**51,004**	**28,390**	**58,464**
Hard Pressed Board (Not in totals)	**269,173**	**53,087**	**266,030**	**51,991**	**290,755**	**56,107**

* Includes Mixtures and Screenings
** Included with Sulphate Pulp Imports
\# Coated and Impregnated Printing Papers included in Primary Coated Papers, in earlier years they were in Paper Products.
R - Revised

NOTE: Dollar figures for the value of shipments for which no tonnage figures were given are shown below. They are not included in the sub-totals, but are in the Total, All Grades: ($ 000)

$195,737	$228,219	$212,338

TABLE XIV

EXPORTS

1981 - 1986

WOOD PULP, PAPER, PAPERBOARD AND PRODUCTS

	1981		1982		1983	
	Tons	$ 000	Tons	$ 000	Tons	$ 000
TOTAL ALL GRADES	**10,663,148**	**4,917,049**	**9,872,299**	**4,324,120**	10,889,442	4,279,044
WOOD PULP ALL GRADES, TOTAL	**3,677,635**	**1,661,311**	**3,394,661**	**1,414,558**	3,643,963	1,362,922
Dissolving and Special Alpha	783,848	419,324	631,304	327,617	646,509	325,606
Sulphite, Paper Grades, Total	284,316	122,236	216,763	93,251	294,189	119,992
Bleached	271,952	118,465	209,071	91,115	281,422	118,256
Unbleached	12,364	3,771	7,700	1,936	12,767	1,736
Sulphate, Paper Grades, Total	2,585,476	1,111,599	2,519,411	985,496	2,683,639	913,507
Bleached	2,417,882	1,051,557	2,357,896	934,401	2,510,158	872,078
Semi-Bleached	66,443	24,956	62,399	21,476	57,630	18,230
Unbleached	101,151	35,086	99,118	29,625	95,851	23,201
Mechanical, Semi-Chemical & Other	23,995	8,151	27,128	8,194	29,626	12,984
COTTON PULP & OTHER FIBER	**131,910**	**85,195**	**104,560**	**72,327**	102,863	69,805
WASTE PAPER	**2,212,549**	**268,526**	**2,127,050**	**238,934**	2,573,716	308,925
PAPER, PAPERBOARD AND PRODUCTS, TOTAL	**4,641,054**	**2,890,782**	**4,246,041**	**2,589,319**	4,568,900	2,481,137
PAPER, PAPERBOARD AND OTHER, TOTAL	**4,033,988**	**2,079,937**	**3,670,413**	**1,754,352**	3,984,537	1,718,035
PAPER, TOTAL	**1,008,409**	**846,775**	**840,445**	**679,069**	773,760	599,567
Newsprint	**270,460**	**139,702**	**307,657**	**142,964**	294,870	127,128
Printing & Writing Paper, Total	**383,317**	**354,608**	**246,617**	**239,134**	201,820	190,304
Uncoated Groundwood	119,673	91,966	55,916	48,430	37,292	33,300
Coated Printing and Converting	88,597	78,328	81,373	65,485	79,185	60,033
Coated Groundwood	46,398	38,263	34,665	25,964	33,687	25,172
Coated Book	42,199	40,065	46,708	39,521	45,498	34,861
Uncoated Free Sheet	116,752	119,592	70,599	75,451	59,133	71,642
Thin (ex. cigarette)	42,717	46,573	27,688	34,699	17,643	20,033
Cotton Fiber	9,221	13,118	6,637	10,917	4,833	6,776
Bristols	6,357	5,031	4,404	4,152	3,758	3,609
Packaging & Industrial Paper, Total	**302,887**	**304,622**	**262,861**	**271,556**	261,487	256,273
Unbl.Kraft Pkg & Ind.Conv.,Total	110,801	50,980	89,062	38,003	116,190	43,223
Unbleached Kraft exc. Ship. Sack	69,328	34,107	49,377	22,534	47,133	18,227
Shipping Sack	41,473	16,873	39,685	15,469	69,057	25,196
Glassine, Greaseproof & Veg. Parch.	8,818	10,475	5,447	7,246	17,202	7,982
Other Pkg. & Industrial Converting	46,922	34,523	55,886	36,247	26,272	22,394
Special Industrial, Total	136,346	208,644	112,466	190,060	111,503	182,702
Special Industrial	124,128	179,793	102,491	166,669	101,743	160,474
Absorbent	12,218	28,851	9,975	23,391	9,761	22,228
Tissue Paper	**51,745**	**47,842**	**23,310**	**25,415**	15,883	18,861
PAPERBOARD TOTAL	**2,945,935**	**1,195,528**	**2,771,046**	**1,044,908**	3,143,405	1,086,488
Kraft Linerboard (a)	1,973,487	660,285	1,886,193	542,304	2,254,584	579,960
Other Kraft Paperboard (Unbleached)	148,855	63,341	139,219	60,780	107,142	51,822
Corrugating Medium Semichemical	65,821	19,588	61,422	18,116	73,758	17,344
Bleached Packaging Paperboard, Total	584,250	367,530	525,734	349,018	558,326	371,434
Milk Carton	364,503	227,083	366,522	235,812	392,665	256,185
Folding Boxboard	109,313	70,515	81,339	56,735	67,896	57,861
Plate, Dish, Tray & Cup	54,576	34,083	42,115	29,647	35,970	33,958
Other	55,858	35,849	35,757	27,421	41,979	24,303
Recycled Furnish Paperboard, Total	173,522	84,784	158,478	74,094	149,635	70,224
Boxboard & Related Boards	69,939	32,313	76,728	31,877	57,819	27,909
Special Paperboard	53,760	36,219	32,418	26,295	42,323	29,408
Containerboard	49,823	16,252	49,332	15,922	49,494	12,908
WET MACHINE BOARD	**10,812**	**7,039**	**11,089**	**5,939**	11,624	6,420
CONSTRUCTION PAPER & BOARD, TOTAL	**68,832**	**30,595**	**47,833**	**24,437**	55,748	26,570
Building Paper	22,690	12,364	19,748	10,544	20,676	11,622
Insulating & Other Building Board	46,142	18,231	28,085	13,893	35,072	14,947
PAPER AND PAPERBOARD PRODUCTS, TOTAL	**607,066**	**810,845**	**575,628**	**834,966**	584,363	783,182
PAPER PRODUCTS, TOTAL	**362,337**	**580,602**	**315,805**	**591,163**	311,912	535,687
Cig. Paper Cut to Size, Books, etc.	20,120	47,335	17,717	46,349	16,280	44,429
PAPERBOARD PRODUCTS, TOTAL	**244,729**	**230,243**	**259,823**	**243,804**	272,451	227,415
Hard Pressed Board (Not in Totals)	**61,046**	**19,111**	**46,793**	**13,921**	60,405	17,949

NOTE: Grade structure revised in 1978.
NOTE: Dollar figures for the value of shipments for which no tonnage figures were given are shown below. They are not included in the sub-totals, but are in the Total, All Grades: ($ 000)

	$11,235	$8,990	$8,990

TABLE XIV (Cont.)

EXPORTS

1981 - 1986

WOOD PULP, PAPER, PAPERBOARD AND PRODUCTS

	1984		1985		1986	
	Tons	$ 000	Tons	$ 000	Tons	$ 000
TOTAL ALL GRADES	**11,301,136**	**4,534,007**	**11,259,715**	**4,047,813**	**13,196,245**	**4,702,003**
WOOD PULP ALL GRADES, TOTAL	**3,593,585**	**1,501,947**	**3,795,102**	**1,353,758**	**4,458,312**	**1,662,466**
Dissolving and Special Alpha	594,963	304,295	630,862	299,186	711,086	339,148
Sulphite, Paper Grades, Total	273,805	111,055	272,288	93,216	343,943	110,831
Bleached	263,416	107,797	250,047	87,873	317,493	104,110
Unbleached	10,389	3,258	22,241	5,343	26,450	6,721
Sulphate, Paper Grades, Total	2,670,794	1,064,663	2,862,933	951,684	3,344,619	1,197,590
Bleached	2,504,038	1,010,851	2,727,183	914,977	3,181,631	1,151,427
Semi-Bleached	75,937	25,697	40,543	13,150	18,781	6,388
Unbleached	90,819	28,116	95,207	23,557	144,207	39,775
Mechanical, Semi-Chemical & Other	54,023	21,934	29,019	9,672	58,664	14,897
COTTON PULP & OTHER FIBER	**84,883**	**63,545**	**107,224**	**71,802**	**157,452**	**72,500**
WASTE PAPER	**3,235,441**	**408,128**	**3,285,926**	**349,258**	**3,748,711**	**411,076**
PAPER, PAPERBOARD AND PRODUCTS, TOTAL	**4,387,227**	**2,551,544**	**4,071,463**	**2,266,377**	**4,831,770**	**2,548,663**
PAPER, PAPERBOARD AND OTHER, TOTAL	**3,819,212**	**1,789,505**	**3,580,553**	**1,586,234**	**4,305,272**	**1,862,874**
PAPER, TOTAL	**810,933**	**632,493**	**779,000**	**594,338**	**883,662**	**642,597**
Newsprint	**306,198**	**133,964**	**314,385**	**131,379**	**392,228**	**194,549**
Printing & Writing Paper, Total	**203,525**	**219,925**	**202,826**	**201,845**	**190,656**	**185,271**
Uncoated Groundwood	30,405	28,875	36,779	31,727	40,947	28,947
Coated Printing & Converting	85,715	71,368	82,461	64,624	78,248	57,856
Coated Groundwood	44,376	36,133	36,444	31,922	36,386	28,355
Coated Book	41,339	35,235	46,017	32,701	41,862	29,501
Uncoated Free Sheet	65,410	87,255	64,573	79,015	50,140	71,354
Thin (ex. cigarette)	14,036	20,705	13,338	17,603	14,530	19,167
Cotton Fiber	4,983	8,247	4,286	7,493	4,478	5,811
Bristols	2,976	3,475	1,389	1,383	2,413	2,136
Packaging & Industrial Paper, Total	**284,201**	**259,323**	**243,671**	**242,909**	**284,021**	**241,426**
Unbl.Kraft Pkg. & Ind. Conv., Total	106,712	44,382	67,695	29,931	78,248	32,009
Unbl. Kraft exc. Shipping Sack	40,434	19,155	29,062	15,595	20,881	11,341
Shipping Sack	66,278	25,227	38,663	14,336	57,367	20,668
Glassine, Greaseproof & Veg. Parch.	5,444	8,845	6,189	9,597	3,976	9,482
Other Pkg. & Industrial Converting	26,148	22,693	31,917	22,347	36,430	26,492
Special Industrial, Total	145,897	183,403	137,870	181,034	165,367	173,443
Special Industrial	136,924	162,043	129,565	162,808	157,204	157,006
Absorbent	8,973	21,360	8,305	18,226	8,163	16,437
Tissue Paper	**17,009**	**19,281**	**18,118**	**18,205**	**16,758**	**21,351**
PAPERBOARD TOTAL	**2,930,607**	**1,113,040**	**2,732,744**	**952,190**	**3,327,568**	**1,168,379**
Kraft Linerboard (a)	2,058,034	630,691	1,807,151	480,909	2,195,951	642,137
Other Kraft Paperboard (Unbleached)	110,878	51,270	100,651	41,053	157,614	57,548
Corrugating Medium Semichemical	49,612	12,220	61,853	15,293	76,641	21,713
Bleached Packaging Paperboard, Total	543,217	346,432	517,525	333,102	571,296	359,955
Milk Carton	348,816	227,899	378,814	244,935	417,027	264,141
Folding Boxboard	106,450	68,074	110,721	67,578	119,997	72,479
Plate, Dish, Tray & Cup	42,180	25,718	9,896	7,104	14,702	9,595
Other	45,775	24,748	18,088	13,506	19,570	13,740
Recycled Furnish Paperboard, Total	168,866	72,427	245,564	81,833	320,196	84,268
Boxboard & Related Boards (c)	5,387	3,334	56,213	30,232	10,218	5,008
Special Paperboard	123,368	59,001	124,136	35,015	255,542	64,317
Containerboard	40,111	10,092	65,215	16,586	54,436	14,943
WET MACHINE BOARD	**13,782**	**7,335**	**13,380**	**6,930**	**18,093**	**7,259**
CONSTRUCTION PAPER & BOARD, TOTAL	**63,890**	**36,637**	**55,429**	**32,776**	**75,149**	**44,639**
Building Paper	26,498	17,765	21,671	13,344	25,933	15,905
Insulating & Other Building Board	37,392	18,872	33,758	19,433	49,216	28,734
PAPER AND PAPERBOARD PRODUCTS, TOTAL	**568,015**	**762,039**	**490,910**	**680,143**	**526,498**	**685,789**
PAPER PRODUCTS, TOTAL	**286,461**	**516,155**	**237,191**	**464,174**	**240,171**	**456,429**
Cig. Paper Cut to Size, Books, etc.	15,830	42,808	14,939	39,710	15,414	37,716
PAPERBOARD PRODUCTS, TOTAL	**281,554**	**245,884**	**253,719**	**215,970**	**286,327**	**229,360**
Hard Pressed Board (Not in Totals)	**63,865**	**19,576**	**65,310**	**24,523**	**62,112**	**23,506**

(a) Contains Bleached Kraft Linerboard reported as follows:(Tons) 1981 - 151,979; 1982 - 67,595; 1983 - 160,253; 1984 - 141,368; 1985 - 130,358; 1986 - 133,787; (c) Excludes Recycled Corrugating Medium.

NOTE: Dollar figures for the value of shipment for which no tonnage figures were given are shown below. They are not included in the sub-totals, but are in the Total, All Grades: ($ 000)

	$7,965	$6,618	$7,298

TABLE XV
VALUE OF SHIPMENTS OF PRODUCT CLASSES
1980 - 1985
(Millions of Dollars)

SIC CODE		1980	1981	1982	1983R	1984	1985
26	PAPER AND ALLIED PRODUCTS (1)	$70,014.7	$77,294.4	$77,067.2	$81,802.8	$92,543.9	$91,028.6
2611-	**Pulp Mill Products**	3,911.9	3,971.0	3,644.2	3,624.3	4,183.9	3,629.5
26111	Special Alpha and Dissolving Woodpulp	818.3	715.1	593.8	589.9	617.6	561.6
26113	Sulfate Wood Pulp	(	(	2,510.8	2,479.7	3,125.3	2,626.6
26114	Sulfite and Other Wood Pulp	(3,087.4	(3,249.8	183.0	209.6	200.4	228.4
26115	Pulp, Other Than Wood, and Pulpmill Byproducts, N.E.C.	(	(	353.0#	336.0	236.8	208.3
26110	Pulp Mill Products, N.S.K.	6.2	6.0	3.6	9.1	3.8	4.6
2621-	**Papermill Products, except Building Paper**	17,710.7	19,936.3	20,056.9	21,361.0	24,354.3	23,796.7
26211	Newsprint	1,683.9	2,063.0	2,161.6	2,220.1	2,369.8	2,385.4
26212	Uncoated Groundwood Paper	741.4	842.3	841.5	888.6	1,043.8	996.4
26213	Clay Coated Printing and Converting Papers	3,160.3	3,581.4	3,787.3	4,232.4	5,362.7	5,369.0
26214	Uncoated Free Sheet	5,442.9	5,765.7	5,530.6	5,999.2	6,899.1	6,648.1
26215	Bleached Bristols, Excluding Cotton Fiber Index and Bogus	494.0	602.8	605.2	667.6	708.7	673.9
26216	Cotton Fiber Paper and Thin Paper	676.6	736.2	599.3	619.1	762.4	684.9
26217	Unbleached Kraft Packaging and Industrial Converting Paper	1,438.6	1,444.4	1,199.8	1,219.0	1,349.1	1,101.7
26218	Packaging and Industrial Converting Paper, Except Unbleached Kraft	719.5	793.3	666.7	738.3	858.7	879.9
26219	Special Industrial Paper	544.1	639.5	942.8	960.0	1,058.2	1,007.3
2621A	Tissue Paper and Other Machine Creped Paper	(	(	3,685.4#	3,782.2	3,882.3	4,009.0
26210	Tissue Mill Products, Except Building Paper, N.S.K.	(2,809.3	(3,467.6	36.7	34.2	59.4	41.3
2631-	**Paperboard Mill Products**	9,062.8	10,064.9	9,390.0	9,932.8	11,686.2	10,574.4
26311	Unbleached Kraft Packaging and Industrial Converting Paperboard	4,069.7	4,575.9	4,076.1	4,101.0	5,218.1	4,655.3
26312	Bleached Packaging and Industrial Converting Paperboard	1,780.9	2,031.3	2,146.0	2,215.3	2,366.6	2,077.1
26313	Semichemical Paperboard	1,069.1	1,158.7	1,012.5	987.2	1,355.3	1,223.9
26314	Recycled Paperboard	2,053.7	2,173.0	2,062.1	2,537.3	2,607.0	2,512.6
26318	Wet Machine Board	64.2	76.8	62.8	64.8	81.6	78.3
26310	Paperboard Mill Products, N.S.K.	25.3	49.3	30.4	27.4	57.6	27.1
264-	**Miscellaneous Converted Paper Products**	22,127.1	24,273.3	25,043.7	26,562.3	29,924.0	30,431.1
2641-	**Coated and Glazed Paper**	4,302.4	4,803.4	4,903.1	5,314.1	6,451.9	6,653.7
26411	Printing Paper Coated at Establishments Not Making Paper	233.4	269.3	241.6	322.0	319.7	394.3
26413	Gummed Products	259.7	237.7	211.9	228.9	290.1	203.1
26414	Pressure Sensitive Products	1,649.5	1,857.3	1,867.6	2,110.6	2,616.3	2,660.8
26415	Single Web Paper, Coated Rolls & Sheets, Incl. Waxed, for Pkg. Uses	(	(	433.9	446.6	517.1	549.8
26416	Single Web Film, Coated Roll & Sheets, Incl. Coextruded, for Pkg. Uses	(	(	168.2	194.0	317.2	344.5
26419	Paper/Paper Multiweb Laminations, for Packaging Uses	(1,410.9	(1,607.6	182.3	155.0	187.4	181.2
2641A	Multiweb Laminated Rolls & Sheets, Exc. Paper/Paper & Foil for Pkg. Uses	(	(	544.8#	562.7	683.8	751.8
2641B	Other Coated and Processed Paper, Except for Packaging	632.1	689.7	900.3#	1,023.3	1,135.7	1,214.5
26410	Coated and Glazed Paper, N.S.K.	116.8	141.4	352.6#	271.2	384.6	353.9
26420	**Envelopes (Excluding Stationary Envelopes)**	1,460.7	1,610.3	1,751.6	1,874.9	2,107.6	2,086.1
2643-	**Bags, Except Textile Bags**	4,621.0	5,037.6	4,772.8	5,081.3	5,387.6	5,541.9
26434	Grocer's Bags and Sacks, Variety, Shopping, Uncoated	1,129.3	1,209.5	1,163.8#	1,181.9	1,183.4	1,084.7
26435	Specialty Bags and Liners, Single Web Paper, Coated	(	(	205.5#	279.8	255.3	264.7
26436	Specialty Bags and Liners, Single Web Film	(2,689.8	(2,972.7	1,964.0#	2,271.7	2,346.6	2,627.2
26437	Specialty Bags and Liners, Multiweb Laminations and Foil	(	(	222.1#	244.4	235.0	241.5
26438	Shipping Sacks and Multiwall Bags, Except Textiles	760.2	805.8	846.5#	878.1	963.1	884.7
26430	Bags, Except Textile Bags, N.S.K.	(S)	(S)	370.9#	225.3	404.1	439.1
2645-	**Die-Cut Paper and Board**	1,394.5	1,514.8	1,605.1	1,797.6	1,880.0	1,651.0
26453	Die-Cut Paper and Board Office Supplies	(	(	597.9#	669.2	652.3	618.5
26454	Die-Cut Paper and Board Products (Other than Office)	(745.3	(826.5	199.4#	254.7	264.0	265.5
26455	Pasted, Lined, Laminated, or Surface-Coated Paperboard	(529.9)	576.0	684.8#	745.3	828.3	592.3
26450	Die-Cut Paper and Board Products, N.S.K.	119.3	112.3	123.0#	128.3	135.4	174.6
2646-	**Pressed and Molded Pulp Goods**	209.2	246.2	242.3	217.4	236.3	260.3
26461	Bituminous Fiber Pipe	(D)	(D)	(D)	(D)	(D)	(D)
26462	Other Pressed and Molded Pulp Goods	(200.5)	239.9	(D)	(D)	(D)	(D)
26460	Pressed and Molded Pulp Goods, N.S.K.	(D)	(D)	(D)	(D)	(D)	(D)
2647-	**Sanitary Paper Products**	7,043.4	7,752.3	8,373.5	8,615.8	9,771.5	10,257.7
26471	Sanitary Napkins and Tampons	775.8	919.2	915.1	944.3	1,162.5	1,231.0
26473	Disposable Diapers	**	**	2,158.5#	2,175.0	2,593.9	2,608.9
26474	Sanitary Tissue Health Products	6,283.8	6,793.0	5,259.8#	5,457.4	5,920.7	6,338.2
26470	Sanitary Paper Products, N.S.K.	-	40.1	40.1#	39.1	94.4	79.6
2648-	**Stationery Products**	840.8	896.6	959.2	1,057.6	1,160.9	1,107.4
26481	Stationery	235.4	268.4	261.8	309.5	304.9	314.7
26482	Tablets and Related Products	535.6	569.4	603.1	653.9	736.0	686.9
26480	Stationery Products, N.S.K.	69.8	58.9	94.4#	94.3	120.0	105.8
2649-	**Converted Paper Products N.E.C.**	2,255.1	2,412.1	2,436.1	2,603.6	2,928.2	2,873.0
26493	Wallcoverings	361.1	410.2	396.9#	459.6	497.6	540.3
26494	Gift Wrap Paper	360.0	394.8	389.6	401.0	491.9	512.5
26496	Paper Business Machine Supplies, Office Supplies, N.E.C.	(	(	221.8	187.2	190.7	195.6
26497	Other Converted Paper and Board Products	(1,233.8	(1,270.4	1,082.6#	1,210.2	1,261.7	1,211.8
26490	Converted Paper Products, N.E.C, N.S.K.	(300.1)	336.7	345.2#	345.7	486.3	412.9
265-	**Paperboard Containers and Boxes**	16,684.4	18,548.5	18,578.1	19,906.5	21,966.9	22,179.6
26510	**Bending Paperboard Packaging and Packaging Components**	3,152.9	3,415.0	3,743.9	3,979.5	4,326.5	4,452.1
26520	**Setup Paperboard Boxes**	447.1	485.0	485.1	552.3	492.6	480.8
26530	**Corrugated and Solid Fiber Boxes, Including Pallets**	9,363.5	10,495.9	10,303.1	11,045.1	12,718.7	12,714.8
2654-	**Sanitary Food Containers**	2,392.5	2,627.2	2,555.8	2,686.4	2,749.7	2,853.2
26541	Milk and Other Beverage Cartons	502.7	512.6	550.5	535.2	577.5	590.1
26542	Cups and Liquid-Tight Containers	779.3	828.1	885.2	961.4	964.6	1,075.9
26544	Folding Sanitary Food Containers for Liquid, Etc	(	(	714.7	771.8	730.3	739.3
26545	Other Sanitary Food Containers, Boards, and Trays	(1,108.0	(1,299.1	362.2#	375.6	406.8	398.8
26540	Sanitary Food Containers, (Paperboard) N.S.K.	(S)	*	43.1#	42.4	70.6	49.1
2655-	**Fiber Cans, Drums, and Similar Products**	1,328.4	1,525.4	1,490.3	1,643.2	1,679.4	1,678.7
26551	Paperboard Fiber Drums	282.6	286.5	289.8	317.2	312.7	333.1
26552	Fiber Cans, Tubes, and Similar Fiber Products	1,004.5	1,188.1	1,152.3	1,283.5	1,286.0	1,265.7
26550	Fiber Cans, Drums and Similar Products, N.S.K.	41.3	50.8	48.2#	42.5	80.7	79.9
2661-	**Building Paper and Board**	517.8	500.4	354.3	415.9	428.6	417.3
26611	Fiberboard	211.3	208.7	188.9	225.0	245.9	251.3
26612	Construction Paper	281.6	253.5	165.3	189.2	174.7	158.7
26610	Building Paper and Board, N.S.K.	24.9	38.2	(Z)	1.7	(S)	7.2

SOURCE: Survey of Manufactures - Bureau of Census

R -Revised
N.S.K. - Not Specified by Kind
N.E.C. - Not Elsewhere Classified
(Z) Less than half the unit shown

(1) Sum of reported data
(A) Not reported separately
(D) Data withheld to avoid disclosure
(S) Not up to statistical standard

* - Withheld - NSK calculation was a negative number
** - Included in Sanitary Tissue Health Products
# - Data for 1982 and later years based on revised SIC Codes published in the 1982 Census of Manufactures

SECTION II

REGIONAL DATA

Table XVI presents data on pulpwood consumption, wood pulp production and paper and paperboard shipments, by major grade groupings, for 1985, the latest year for which data was available, on a state, divisional and regional basis as reported by the Department of Commerce. The totals are not in full agreement with those shown on Tables I - IX, but the geographic distribution appears to be representative.

The Department of Commerce reported some of the regional totals, but in many instances the data were withheld to avoid disclosure.

Table XVII shows data on capacity for paper, paperboard and wood pulp, by major grades, for each of the nine Census Divisions for the years 1970 and 1981-1989, as published in API's October 1986 Capacity Survey. The table below presents the 1985 and 1989 percentage distribution of these data for paper, paperboard and wood pulp by Census Division and Region.

This table highlights the concentration of wood pulp and paperboard capacity in the South; the importance of paper capacity in the North East and North Central Regions; and the growth in capacity of wood pulp, paper and paperboard projected for the Southern states during the next three years.

	Total Paper and Paperboard		Total Paper		Total Paperboard		Total	Other	Total Wood Pulp	
	1985	1989	1985	1989	1985	1989	1985	1989	1985	1989
	Percentage Distribution									
UNITED STATES	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
NORTH EAST	**15.6**	**15.1**	**24.5**	**23.8**	**6.2**	**5.9**	**23.0**	**23.3**	**8.1**	**7.9**
NEW ENGLAND	8.1	7.8	14.1	13.5	2.3	2.2	2.5	2.6	5.8	5.6
MIDDLE ATLANTIC	7.5	7.3	10.4	9.9	3.9	3.7	20.5	20.7	2.3	2.3
NORTH CENTRAL	**18.2**	**18.3**	**22.2**	**22.6**	**13.9**	**13.7**	**19.6**	**18.7**	**7.1**	**7.7**
EAST NORTH CENTRAL	15.9	15.6	19.4	18.9	12.6	12.4	11.6	11.1	5.9	6.4
WEST NORTH CENTRAL	2.3	2.7	2.8	3.7	1.3	1.3	8.0	7.6	1.2	1.3
SOUTH	**51.7**	**52.7**	**39.2**	**40.7**	**64.7**	**65.3**	**51.1**	**53.5**	**67.8**	**68.2**
SOUTH ATLANTIC	24.0	24.5	16.1	16.4	32.3	33.0	22.1	23.8	31.8	32.2
EAST SOUTH CENTRAL	13.3	13.2	11.0	10.9	15.5	15.4	17.5	18.6	18.7	18.7
WEST SOUTH CENTRAL	14.4	15.0	12.1	13.4	16.9	16.9	11.5	11.1	17.3	17.3
WEST	**14.4**	**13.9**	**14.2**	**13.3**	**15.2**	**15.0**	**6.3**	**4.4**	**16.9**	**16.3**

Table XVIII presents paper industry data published in the 1985 Survey of Manufactures on a state-by-state basis. The Survey publishes statistics on employment, payrolls, value-added, value of shipments, inventories and capital expenditures for each state. The data shown are at the level of the total paper and allied products industry, and thus include activity in both the primary and converting sectors. The 1984 state data are shown in the Appendix on page 72.

TABLE XVI

STATE DATA - 1984R

(Short Tons)

Geographic Areas	PULPWOOD CONSUMPTION (Cords)*	WOOD PULP PRODUCTION	PAPER AND PAPERBOARD SHIPMENTS				
			Total All Grades1/	Paper	Paperboard	Wet Machine Board#	Construction Paper Plus Insulating Board
UNITED STATES, TOTAL	86,948,321	57,747,017	67,682,7392/	32,989,205	33,514,510	98,532	1,179,024
Northeast	N.A.	4,698,020	9,964,065	8,060,352	1,903,713	N.A.	
New England	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
Maine	4,207,585	2,631,940	(D)	3,555,799	(D)	-	
New Hampshire	-	-	(D)	(D)	131,913	(D)	
Vermont	-	-	764,118	437,740	326,378	-	
Massachusetts	-	(D)	(D)	142,518	(D)	-	
Rhode Island	-	-	-	-	-	-	
Connecticut	-	-	-	-	-	-	
Middle Atlantic	N.A.	N.A.	4,624,489	3,494,898	1,129,591	N.A.	
New York	571,033S	548,914	1,758,280	1,553,857	204,423	(D)	
New Jersey	-	(D)	622,040	349,550	272,490	(D)	
Pennsylvania	1,185,510H	1,280,866	2,244,169	1,591,491	652,678	(D)	
North Central	N.A.	4,341,837	11,690,658	7,478,824	4,211,834	N.A.	
East North Central	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
Ohio	(D)	506,823	2,215,050	1,046,676	1,168,374	-	
Indiana	-	-	-	-	-	-	
Illinois	-	-	549,689	170,017	379,672	(D)	
Michigan	1,212,867H	1,097,003	2,547,525	1,541,083	1,006,442	-	
Wisconsin	2,673,031	1,748,384	4,276,371	3,677,585	598,786	-	
West North Central	N.A.	N.A.	N.A.	N.A.	N.A.	-	
Minnesota	1,163,237	895,137	(D)	1,014,785	(D)	-	
Iowa	-	-	-	-	-	-	
Missouri	-	-	-	-	-	-	
Kansas	-	-	-	-	-	-	
South	N.A.	39,854,048	34,940,812	12,691,268	22,249,544	N.A.	(N.A.)
South Atlantic	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
Delaware	-	-	-	-	-	-	
Maryland	-	-	-	-	-	-	
Virginia	3,771,196	2,814,913	2,811,902	943,269	1,868,633	(D)	
West Virginia	-	-	-	-	-	-	
North Carolina	3,959,982	2,992,534	2,114,285	1,036,350	1,077,935	-	
South Carolina	3,510,991	2,742,772	(D)	(D)	1,771,805	-	
Georgia	9,382,433	6,506,279	5,712,450	1,289,158	4,423,292	-	
Florida	5,704,458	3,643,234	2,801,101	823,299	1,977,802	N.A.	
East South Central	N.A.	N.A.	N.A.	N.A.	N.A.	-	
Kentucky	-	-	(D)	(D)	(D)	(D)	
Tennessee	494,577H	1,701,900	2,200,408	1,056,556	1,143,852	-	
Alabama	9,201,224	6,039,527	5,215,277	2,336,031	2,879,246	-	
Mississippi	1,895,749S	2,268,517	1,459,725	320,451	1,139,274	-	
West South Central	N.A.	N.A.	N.A.	N.A.	N.A.	-	
Arkansas	3,492,214	2,151,114	1,993,187	914,685	1,078,502	-	
Louisiana	6,311,234	3,472,927	4,023,231	1,465,438	2,557,793	-	
Oklahoma	-	-	-	-	-	-	
Texas	4,652,209	3,124,886	(D)	(D)	1,114,990	-	
West	N.A.	8,853,112	9,908,180	4,758,761	5,149,419	-	
Mountain	N.A.	N.A.	N.A.	N.A.	N.A.	-	
Montana	-	-	-	-	-	-	
Idaho	-	-	-	-	-	-	
Colorado	-	-	-	-	-	-	
New Mexico	-	-	-	-	-	-	
Arizona	-	-	-	-	-	-	
Utah	-	-	-	-	-	-	
Pacific	N.A.	N.A.	N.A.	N.A.	N.A.	-	
Washington	6,942,054	4,180,856	3,461,664	2,422,145	1,039,519	-	
Oregon	4,492,646	2,846,149	3,281,101	1,522,146	1,758,955	-	
California	(D)	878,545	1,753,051	521,121	1,231,930	-	
Alaska	(D)	(D)	-	-	-	-	

SOURCE: Bureau of the Census - Current Industrial Reports, Pulp, Paper and Board 1985, Series M26A (85)-1 U.S. Department of Commerce, Washington, DC

* - 128 Cu. Ft. roughwood basis # - Included in Paperboard totals

\- - Represents zero

S - Softwood pulpwood only; hardwood pulpwood data withheld. H - Hardwood pulpwood only; softwood pulpwood data withheld.

(D) - Withheld by Commerce Department to avoid disclosure 1/ - Excludes 1,831,033 tons of hard pressed board not shown

(R) - Revised N.A. - Not Available separately. Subtotals show only paper plus paperboard.

2/ - Includes construction paper and insulating board totals not incuded in regional totals.

TABLE XVI

STATE DATA - 1985

(Short Tons)

Geographic Areas	PULPWOOD CONSUMPTION (Cords)*	WOOD PULP PRODUCTION	PAPER AND PAPERBOARD SHIPMENTS				
			Total All Grades1/	Paper	Paperboard	Wet Machine Board#	Construction Paper Plus Insulating Board
UNITED STATES, TOTAL	84,108,323	56,857,911	66,394,6252/	32,317,371	33,030,693	96,635	1,046,561
Northeast	N.A.	4,654,609	9,563,187	7,680,988	1,882,199	N.A.	
New England	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
Maine	4,112,371	2,532,369	(D)	3,255,281	(D)	-	
New Hampshire	-	-	(D)	(D)	(D)	(D)	
Vermont	-	(D)	(D)	131,124	(D)	-	
Massachusetts	-	-	695,653	379,962	315,691	-	
Rhode Island	-	-	-	-	-	-	
Connecticut	-	-	-	-	-	-	
Middle Atlantic	N.A.	N.A.	4,576,432	3,490,275	1,086,157	N.A.	
New York	841,490	557,808	1,699,281	1,488,427	210,854	(D)	
New Jersey	-	(D)	624,711	353,318	271,393	(D)	
Pennsylvania	1,299,527H	1,341,572	2,252,440	1,648,530	603,910	(D)	
North Central	N.A.	4,017,765	11,590,852	7,374,861	4,215,991	N.A.	
East North Central	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
Ohio	(D)	500,986	2,117,090	936,310	1,180,780	-	
Indiana	-	-	-	-	-	-	
Illinois	-	-	559,294	162,408	396,886	(D)	
Michigan	1,177,447H	1,027,904	2,496,344	1,500,965	995,379	-	
Wisconsin	2,482,909	1,666,386	4,328,095	3,743,759	584,336	(D)	
West North Central	N.A.	N.A.	N.A.	N.A.	N.A.	-	
Minnesota	1,012,190	740,135	(D)	1,007,762	(D)	-	
Iowa	-	-	-	-	-	-	
Missouri	-	-	-	-	-	-	
Kansas	-	-	-	-	-	-	
South	N.A.	39,644,236	34,351,004	12,481,663	21,869,341	N.A.	(N.A.)
South Atlantic	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
Delaware	-	-	-	-	-	-	
Maryland	-	-	-	-	-	-	
Virginia	3,794,918	2,816,708	2,773,876	932,669	1,841,207	(D)	
West Virginia	-	-	-	-	-	-	
North Carolina	3,966,661	3,008,006	2,064,749	982,772	1,081,977	-	
South Carolina	3,888,708	3,115,813	(D)	(D)	1,731,196	-	
Georgia	9,027,970	6,424,593	5,579,028	1,303,639	4,275,389	-	
Florida	5,377,897	3,438,837	2,661,497	801,939	1,859,558	-	
East South Central	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
Kentucky	-	-	(D)	(D)	(D)	-	
Tennessee	471,168H	1,702,057	2,190,226	1,065,725	1,124,501	(D)	
Alabama	8,834,959	5,880,030	5,101,403	2,189,667	2,911,736	-	
Mississippi	(D)	2,556,565	(D)	272,403	(D)	-	
West South Central	N.A.	N.A.	N.A.	N.A.	N.A.	-	
Arkansas	3,143,346	1,966,882	1,857,833	878,176	979,657	-	
Louisiana	6,000,283	3,501,058	4,196,014	1,522,058	2,673,956	-	
Oklahoma	-	-	-	-	-	-	
Texas	4,240,935	2,870,719	(D)	(D)	1,034,249	-	
West	N.A.	8,541,301	9,843,021	4,779,859	5,063,162	-	
Mountain	N.A.	N.A.	N.A.	N.A.	N.A.	-	
Montana	-	-	-	-	-	-	
Idaho	-	-	-	-	-	-	
Colorado	-	-	-	-	-	-	
New Mexico	-	-	-	-	-	-	
Arizona	-	-	-	-	-	-	
Utah	-	-	-	-	-	-	
Pacific	N.A.	N.A.	N.A.	N.A.	N.A.	-	
Washington	6,936,584	4,100,508	3,494,683	2,466,046	1,028,637	-	
Oregon	4,316,801	2,794,550	3,355,382	1,570,985	1,784,397	-	
California	(D)	748,997	1,688,029	502,098	1,185,931	-	
Alaska	(D)	(D)	-	-	-	-	

SOURCE: Bureau of the Census - Current Industrial Report, Pulp, Paper and Board 1985 Series M26A (85)-1 U.S. Department of Commerce, Washington, D.C.

* - 128 Cu. Ft. roughwood basis # - Included in paperboard totals

\- - Represents zero

S - Softwood pulpwood only; hardwood pulpwood data withheld. H - Hardwood pulpwood only; softwood pulpwood data withheld.

(D) - Withheld by Commerce Department to avoid disclosure. 1/ - Excludes 1,777,298 hard pressed board not shown separately. Subtotals show only paper plus paperboard.

N.A. - Not available

2/ - Includes construction paper and insulating board totals not included in regional totals.

TABLE XVII

CAPACITY OF PAPER, PAPERBOARD AND WOOD PULP BY CENSUS DIVISION

1970, 1981 - 1985, 1989

ANNUAL CAPACITY - 000 SHORT TONS

	Total Paper & Paper-board	PAPER					PAPERBOARD			
		Total	Newsprint	Printing Writing & Related	Packaging & Ind. Converting	Tissue	Total	Unbleached Kraft Total	Unbleached Kraft Liner-board	Solid Bleached
New England										
1970*	4,748	3,660	417	2,419	367	457	895	-	-	34
1981	5,740	4,791	N.A.	3,500	441	542	832	-	-	N.A.
1982	5,787	4,901	N.A.	3,600	457	547	811	-	-	N.A.
1983	5,881	4,997	N.A.	3,736	436	533	818	-	-	N.A.
1984	6,103	5,198	N.A.	3,883	466	532	841	-	-	N.A.
1985	6,133	5,295	N.A.	3,920	498	531	838	-	-	N.A.
1989	6,372	5,517	N.A.	4,102	520	530	855	-	-	N.A.
Middle Atlantic										
1970*	6,354	3,411	149	1,926	300	1,036	2,087	-	-	-
1981	6,316	3,920	N.A.	2,356	225	1,135	1,769	-	-	-
1982	6,037	3,803	N.A.	2,313	222	1,060	1,702	-	-	-
1983	5,929	3,842	N.A.	2,351	236	1,048	1,531	-	-	-
1984	5,909	3,878	N.A.	2,401	236	1,033	1,430	-	-	-
1985	5,307	3,893	N.A.	2,350	306	1,022	1,414	-	-	-
1989	5,497	4,041	N.A.	2,416	305	1,110	1,456	-	-	-
East North Central										
1970*	10,057	5,070	113	3,197	628	1,132	4,021	-	-	124
1981	11,481	6,386	N.A.	4,236	758	1,251	4,357	-	-	N.A.
1982	11,330	6,597	N.A.	4,417	773	1,268	4,410	-	-	N.A.
1983	11,644	6,902	N.A.	4,622	801	1,339	4,453	-	-	N.A.
1984	12,101	7,240	N.A.	4,891	840	1,366	4,553	-	-	N.A.
1985	11,937	7,302	N.A.	4,913	856	1,380	4,635	-	-	N.A.
1989	12,591	7,742	N.A.	5,233	865	1,465	4,848	-	-	N.A.
West North Central										
1970*	1,587	594	-	571	23	-	438	-	-	-
1981	1,819	846	-	828	18	-	450	-	-	-
1982	1,810	875	-	860	N.A.	-	459	-	-	-
1983	1,835	954	-	940	N.A.	-	467	-	-	-
1984	1,918	1,032	-	1,015	N.A.	-	483	-	-	-
1985	1,536	1,049	-	1,032	N.A.	-	488	-	-	-
1989	2,008	1,503	-	1,488	N.A.	-	504	-	-	-
South Atlantic										
1970*	13,623	3,520	339	1,275	1,723	182	9,514	6,194	5,770	1,382
1981	17,297	4,898	762	2,017	1,722	397	11,620	7,712	7,234	1,688
1982	17,576	5,245	780	2,083	1,964	419	11,686	7,771	7,352	1,684
1983	17,717	5,441	818	2,119	2,019	406	11,674	7,713	7,281	1,696
1984	18,113	5,844	979	2,456	1,971	438	11,749	7,793	7,362	1,711
1985	17,909	6,043	999	2,601	1,977	467	11,866	7,841	7,385	1,734
1989	19,569	6,688	1,062	3,216	1,709	701	12,881	8,385	7,926	1,967
East South Central										
1970*	7,137	2,792	833	747	739	473	3,439	2,232	2,168	626
1981	8,922	3,529	1,112	1,399	502	516	5,041	3,296	2,934	723
1982	9,183	3,731	1,118	1,567	508	538	5,105	3,324	2,934	735
1983	9,635	3,938	1,130	1,764	486	558	5,326	3,371	2,968	729
1984	10,162	4,217	1,154	1,989	495	579	5,542	3,465	3,048	750
1985	9,799	4,117	1,089	2,165	307	556	5,682	3,543	3,127	777
1989	10,449	4,464	1,106	2,521	166	672	5,986	3,775	3,323	800
West South Central										
1970*	7,106	3,188	721	1,130	1,247	88	3,172	1,704	1,442	871
1981	10,375	4,517	1,342	1,494	1,311	370	5,254	2,948	2,470	1,253
1982	10,946	4,525	1,343	1,540	1,213	429	6,025	3,521	3,005	1,240
1983	10,719	4,549	1,335	1,540	1,231	442	5,789	3,568	3,154	1,239
1984	10,738	4,491	1,188	1,592	1,259	452	5,871	3,566	3,190	1,249
1985	10,759	4,548	1,142	1,669	1,241	496	6,211	3,719	3,231	1,352
1989	12,051	5,468	1,173	2,426	1,324	545	6,582	4,017	3,403	1,358
Mountain and Pacific										
1970*	8,340	3,571	888	954	913	817	4,053	2,177	2,136	435
1981	10,305	4,820	1,587	1,472	937	824	5,143	2,782	2,735	439
1982	10,449	4,988	1,770	1,429	924	865	5,223	2,785	2,741	431
1983	10,637	5,053	1,853	1,480	855	865	5,391	2,859	2,814	434
1984	10,898	5,204	1,861	1,662	805	876	5,523	3,011	2,965	444
1985	10,920	5,333	1,848	1,808	783	894	5,587	3,042	2,996	478
1989	11,301	5,436	1,875	1,868	805	888	5,866	3,206	3,158	491

SOURCE: American Paper Institute, Paper, Paperboard and Wood Pulp Capacity Survey, various issues through October 1986.

* Total capacity at end of year.

N.A. Not Available - = Zero

TABLE XVII (Cont.)

CAPACITY OF PAPER, PAPERBOARD AND WOOD PULP BY CENSUS DIVISION

1970, 1981 - 1985, 1989

ANNUAL CAPACITY - 000 SHORT TONS

	PAPERBOARD (Cont.)		Con-struction Paper & Board	WOOD PULP							
							Sulphate				
	Semi-Chemical	Recycled		Total **	Dis-solving	Sulphite	Bl. & Semi-Bl.	Un-bleached (1)	Semi-chemical	Mechan-ical	For Con-struction (2)
New England											
1970*	179	682	192	2,797	-	484	1,061	48	140	953	100
1981	N.A.	667	118	3,243	-	N.A.	1,816	N.A.	N.A.	952	105
1982	N.A.	680	73	3,317	-	N.A.	1,848	N.A.	N.A.	1,023	79
1983	N.A.	688	66	3,298	-	N.A.	1,890	N.A.	N.A.	971	80
1984	N.A.	711	64	3,425	-	N.A.	1,972	N.A.	N.A.	1,005	79
1985	N.A.	709	58	3,472	-	N.A.	1,982	N.A.	N.A.	1,028	79
1989	N.A.	729	58	3,470	-	N.A.	2,003	N.A.	N.A.	1,052	79
Middle Atlantic											
1970*	-	2,087	856	1,357	-	143	312	-	325	247	244
1981	-	1,769	626	1,504	-	N.A.	501	-	385	221	146
1982	-	1,702	532	1,474	-	N.A.	504	-	405	190	120
1983	-	1,531	557	1,473	-	N.A.	490	-	418	189	120
1984	-	1,430	600	1,457	-	N.A.	497	-	431	189	95
1985	-	1,414	475	1,394	-	N.A.	505	-	444	186	18
1989	-	1,456	459	1,408	-	N.A.	516	-	448	183	18
East North Central											
1970*	1,128	2,769	966	3,209	-	567	601	165	987	462	427
1981	1,545	2,810	738	3,549	-	536	817	N.A.	1,305	362	309
1982	1,579	2,829	323	3,422	-	516	842	N.A.	1,322	387	130
1983	1,607	2,844	309	3,465	-	485	893	N.A.	1,338	398	122
1984	1,632	2,920	308	3,531	-	475	939	N.A.	1,350	409	128
1985	1,677	2,956	269	3,537	-	462	1,007	N.A.	1,306	406	126
1989	1,880	2,966	246	3,975	-	354	1,373	N.A.	1,370	511	138
West North Central											
1970*	176	262	555	959	-	44	206	24	265	266	153
1981	N.A.	386	523	905	-	-	-----281-------		N.A.	197	331
1982	N.A.	395	476	875	-	-	-----277-------		N.A.	236	318
1983	N.A.	403	413	850	-	-	-----293-------		N.A.	245	268
1984	N.A.	416	403	899	-	-	N.A.	N.A.	N.A.	258	278
1985	N.A.	417	188	701	-	-	N.A.	N.A.	N.A.	269	72
1989	N.A.	434	168	817	-	-	N.A.	N.A.	N.A.	412	48
South Atlantic											
1970*	1,103	834	589	14,598	600	2	4,222	8,163	913	385	313
1981	1,158	1,062	779	17,814	656	-	6,064	9,159	893	593	448
1982	1,141	1,090	645	18,171	641	-	6,287	9,302	896	601	445
1983	1,130	1,136	601	18,164	620	N.A.	6,432	9,208	847	625	432
1984	1,056	1,189	521	18,592	580	-	6,893	9,207	835	821	256
1985	1,087	1,204	512	18,982	568	-	7,417	9,126	803	810	258
1989	1,150	1,380	527	19,995	574	-	8,419	8,995	826	923	258
East South Central											
1970*	333	248	906	7,586	285	-	2,481	2,820	429	844	634
1981	669	353	352	9,653	N.A.	-	4,046	3,695	582	892	189
1982	682	364	347	9,750	N.A.	-	4,188	3,644	575	889	190
1983	854	372	371	10,212	N.A.	-	4,439	3,674	722	911	211
1984	941	385	402	10,597	N.A.	-	4,712	3,714	787	913	233
1985	959	402	407	11,126	N.A.	-	5,338	3,653	796	887	235
1989	1,006	405	413	11,630	N.A.	-	5,644	3,706	723	1,101	239
West South Central											
1970*	352	245	747	7,069	-	-	2,969	2,829	259	694	319
1981	717	336	603	10,356	-	-	4,005	4,393	651	1,070	237
1982	909	357	396	10,907	-	-	4,044	4,724	823	1,165	151
1983	615	367	381	10,359	-	-	4,048	4,553	458	1,169	130
1984	686	370	376	10,491	-	-	4,093	4,593	531	1,159	115
1985	760	380	266	10,337	-	-	4,128	4,480	618	999	111
1989	784	422	245	10,753	-	-	4,295	4,708	622	1,045	83
Mountain and Pacific											
1970*	485	957	716	8,896	883	1,163	2,147	2,950	366	787	597
1981	706	1,215	342	9,807	693	824	2,801	3,507	600	1,208	175
1982	733	1,274	238	9,722	702	761	2,780	3,525	586	1,289	80
1983	748	1,352	192	9,768	649	793	2,816	3,531	590	1,307	81
1984	768	1,300	171	10,009	669	775	2,944	3,610	567	1,369	75
1985	755	1,313	146	10,064	670	778	2,942	3,662	558	1,378	74
1989	661	1,507	98	10,101	655	795	2,954	3,821	462	1,339	74

(1) Includes screenings. (2) Excludes defibrated/exploded pulp capacity of mills that produce hard pressed board, 1980-1988.
* Total capacity at end of year.
** Includes soda pulp for 1970 as follows (000 Tons): New England - 10, Middle Atlantic - 86, East South Central - 93, Mountain and Pacific - 4. Other years included in sulphate pulp. N.A. Not Available - = Zero

TABLE XVIII

PAPER AND ALLIED PRODUCTS - 1985 DATA

	Number of All Employees (000)	Total Payroll ($000,000)	Number of Production Workers (000)	Wages of Production Workers	Value Added by Manufacture	Value of Shipments	Capital Expenditures
				Million Dollars			
NORTHEAST	**163.5**	**3,852.3**	**123.5**	**2,608.1**	**9,806.4**	**21,618.0**	**1,268.7**
New England	**61.2**	**1,498.8**	**46.2**	**1,030.0**	**3,781.8**	**8,327.6**	**535.3**
Maine	17.6	534.3	13.8	397.3	1,377.8	3,143.6	306.0
New Hampshire	6.4	152.3	4.6	92.5	405.9	901.1	43.5
Vermont	2.5	52.6	2.1	40.2	184.4	384.1	14.0
Massachusetts	24.9	545.6	18.0	349.6	1,137.2	2,569.3	121.2
Rhode Island	2.3	38.4	1.8	25.0	82.2	169.6	1.7
Connecticut	7.5	175.6	5.9	125.4	594.3	1,159.9	48.9
Middle Atlantic	**102.3**	**2,353.5**	**77.3**	**1,578.1**	**6,024.6**	**13,290.4**	**733.4**
New York	37.6	838.4	29.0	578.4	1,948.3	4,298.7	230.9
New Jersey	26.3	589.8	19.4	363.2	1,371.3	3,020.4	127.9
Pennsylvania	38.4	925.3	28.9	636.5	2,705.0	5,971.3	374.6
NORTH CENTRAL#	**173.1**	**4,385.9**	**132.1**	**3,056.9**	**11,673.4**	**26,100.7**	**1,427.9**
East North Central	**137.8**	**3,528.9**	**104.3**	**2,453.3**	**9,059.5**	**20,643.2**	**1,199.4**
Ohio	31.1	779.5	23.6	546.8	1,575.8	3,836.0	214.9
Indiana	12.3	261.3	9.5	182.1	670.6	1,532.8	39.3
Illinois	33.3	736.0	25.2	475.5	1,839.9	4,083.7	128.3
Michigan	19.6	547.1	14.6	378.4	1,394.6	3,152.9	299.0
Wisconsin	41.5	1,205.0	31.4	870.5	3,578.6	8,037.8	517.9
West North Central#	**35.3**	**857.0**	**27.8**	**603.6**	**2,613.9**	**5,457.5**	**228.5**
Minnesota	13.6	377.0	10.7	269.5	1,207.8	2,275.5	87.0
Iowa	4.1	100.4	3.2	69.3	285.4	672.5	24.5
Missouri	12.3	268.4	9.8	193.9	779.1	1,751.1	97.2
North Dakota	-	-	-	-	-	-	-
South Dakota	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Nebraska	1.1	25.7	.9	16.4	49.0	130.0	5.5
Kansas	4.2	85.5	3.2	54.5	292.6	628.4	14.3
SOUTH#	**199.4**	**5,207.6**	**153.9**	**3,745.3**	**13,854.0**	**33,152.3**	**2,860.0**
South Atlantic	**103.4**	**2,673.2**	**79.4**	**1,896.1**	**6,817.2**	**16,416.2**	**1,476.3**
Delaware	3.0	66.3	2.0	39.9	212.0	533.4	4.7
Maryland	9.4	210.0	6.9	135.9	599.6	1,084.7	113.1
Virginia	14.3	378.3	10.6	259.8	1,045.3	2,204.5	351.9
West Virginia	1.3	23.9	.9	15.8	58.6	119.8	3.0
North Carolina	20.0	505.2	15.8	367.9	1,106.2	2,780.6	126.7
South Carolina	13.1	358.3	10.2	261.1	1,018.1	2,299.6	347.4
Georgia	28.7	761.3	22.2	545.8	2,009.8	5,115.3	317.2
Florida	13.6	369.9	10.8	269.9	767.6	2,278.3	212.3
East South Central	**49.8**	**1,337.1**	**38.5**	**977.0**	**4,088.0**	**8,945.0**	**766.0**
Kentucky	5.8	134.8	4.4	94.6	426.4	977.4	31.4
Tennessee	16.5	392.9	12.7	278.3	1,251.6	2,677.8	159.4
Alabama	19.6	597.1	15.2	450.6	1,879.4	3,988.1	436.0
Mississippi	7.9	212.3	6.2	153.5	530.6	1,301.7	139.2
West South Central	**46.2**	**1,197.3**	**36.0**	**872.2**	**2,948.8**	**7,791.1**	**617.7**
Arkansas	10.8	297.0	8.8	225.1	629.4	1,823.1	173.3
Louisiana	10.2	320.1	8.0	238.8	873.1	2,288.4	207.7
Oklahoma	3.4	88.1	2.7	69.1	272.6	729.5	(D)
Texas	21.8	492.1	16.5	339.2	1,173.7	2,950.1	236.7
WEST#	**66.2**	**1,840.1**	**51.0**	**1,325.9**	**4,957.3**	**12,186.9**	**607.2**
Mountain#	**6.5**	**170.0**	**5.3**	**122.6**	**418.8**	**1,064.5**	**17.4**
Montana	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Idaho	2.3	62.1	1.8	47.8	152.4	373.3	(D)
Wyoming	-	-	-	-	-	-	-
Colorado	1.7	52.0	1.4	33.8	106.0	301.5	15.3
New Mexico	-	-	-	-	-	-	-
Arizona	1.4	34.6	1.2	25.6	91.0	232.5	(D)
Utah	1.1	21.3	.9	15.4	69.4	157.2	2.1
Nevada	-	-	-	-	-	-	-
Pacific#	**59.7**	**1,670.1**	**45.7**	**1,203.3**	**4,538.5**	**11,122.4**	**589.8**
Washington	15.6	506.9	11.9	388.9	1,194.8	3,216.1	256.9
Oregon	8.1	261.9	6.2	192.5	898.0	1,996.8	81.1
California	35.7	895.4	27.4	618.3	2,428.8	5,868.8	250.8
Hawaii	.3	5.9	.2	3.6	16.9	40.7	1.0
Alaska	(D)	(D)	(D)	(D)	(D)	(D)	(D)
TOTAL REPORTED	**602.2**	**15,285.9**	**460.5**	**10,736.2**	**40,291.1**	**93,057.9**	**6,163.8**
TOTAL U.S.A.	**604.1**	**15,350.8**	**462.1**	**10,783.4**	**40,387.2**	**93,414.4**	**6,276.1**

SOURCE: Annual Survey of Manufacturers, U.S. Department of Commerce - Statistics for Divisions and States - 1985.
(D) - Data withheld to avoid disclosure of individual company data. # - Total Reported.
NOTE: Each state has at least one establishment in the Paper and Allied Products Industry. - No Data Reported.
The 1984 State data are presented in the Appendix on Page 72.

SECTION III

INPUTS AND RELATED DATA

This section presents data on the inputs of labor and materials required to manufacture paper and paperboard. It also presents data on capital expenditures, labor productivity and expenditures for research and development.

Table XIX shows the data on fuel and energy use by the paper industry. Data are shown for the years 1972 -- the first year such data were collected by the Energy and Materials Department of the API -- and 1982-1986. This table shows that the shift away from petroleum products evident since the fuel crisis of 1972 was reversed in 1986. In response to the lower price of oil, the paper industry increased its use of residual fuel oil on both an absolute and relative basis. At the same time, the industry used less distillate fuel oil, propane gas and natural gas in 1986 than it did in 1985, continuing the trend that started in the mid-1970's. Chart 3 summarizes the trends.

Tables XX and XXI present data on the use of recyclable paper in the manufacture of paper and paperboard. The increase in paper and paperboard production in 1986 was accompanied by a slightly larger percentage increase in use of recyclable paper and the utilization rate (the ratio of recyclable paper consumption to paper and board production) edged upward. Exports of recyclable papers rose sharply, reaching a new high. Total collections of recyclable papers also moved to a new post-World War II high, as did the recovery rate (the ratio of total collections to the new supply of paper and board).

The recovery rate shown here is computed on the basis of the total new supply available. However, the API estimates that about 13 million tons of the total new supply were diverted into permanent uses, such as books, ledgers, industrial products and building materials. In addition, some paper is sewered, burned or used in other ways that keep it out of the solid waste stream. On this basis, the amount of paper recovered for its fiber content amounted to 32% of the available supply.

Used corrugated continued to be the largest recyclable grade, accounting for 50% of all recyclable papers used at paper and board mills and 48% of the total recyclable paper collected. While it was also the major export grade, it accounted for only 32% of the total exported. Pulp substitutes and high grade deinking grades accounted for 20%; old newspapers 20% and mixed papers the other 18%.

The market and total wood pulp production data shown in Tables XXIA and XXIIB were compiled from the API's Pulp, Materials and Technology Division reports. In addition, estimates are shown for production of defibrated and exploded wood pulp and for screenings for use at paper and paperboard mills, based on information collected as part of the API's Annual Capacity Surveys.

The wood pulp consumption data for 1972-1985 in Table XXIII are largely taken from Bureau of the Census reports. The data for defibrated and screening pulps used at paper and paperboard mills, however, are based on data collected as part of the API's Capacity Survey.

Table XXIV shows data on wage rates and employment in the paper and allied products industry by major industry grouping. This information is drawn from the Bureau of Labor Statistics reports. The BLS also reports additional information on sectors within these groups, and such information may be obtained directly from that source.

Table XXV combines the information on the employment and output trends to show output per production worker hour and output per all employee hour at pulp, paper and board mills for the period 1947 through 1986. The 1947-1985 data were published by the Bureau of Labor Statistics of the U.S. Department of Labor. The 1986 data are estimated by the Economics Department of the American Paper Institute, based on employment trends published by the BLS, as shown in Table XXIV and the output data as reported by the API.

The table shows that ouput per manhour for both production workers and all employees rose sharply in 1986, reflecting the effects of the increases in paper and paperboard production and the results of the intensive cost containment programs of the individual paper companies. The 1986 levels indicated that output per manhour for both production workers and all employees rose at the average rate of 3.1% per year from 1977 to 1986.

Table XXVI presents data on compensation of employees and related information as published by the Bureau of Economic Analysis as part of the Gross National Products Accounts. At the time of publication of this report, the BEA had not yet published data for 1986. However, it was possible to estimate the 1986 data on the basis of the BLS reports.

Table XXVII presents information on new plant and equipment expenditures by the paper industry. The first column shows the expenditures by paper and allied products companies as reported by the Bureau of Economic Analysis in the Survey of Current Business; this is the only source of information on current expenditures by the industry. The data refer to expenditures by paper and allied products companies, that is, those companies whose major line of business is in the paper and allied products industry. The other columns in the table show expenditures on new plant and equipment at paper and allied products establishments, regardless of ownership. This information is published by the Bureau of the Census in its Censuses and Surveys of Manufacture; the 1985 data shown are the latest available.

Prior to 1979 the two series were generally less than 10% apart. However, a change in the sampling procedure in 1979 used by the Survey of Manufactures resulted in low estimates of outlays in the establishment data. The 1982 Census of Manufactures reflected a 100% survey of the industry, and the 1982 data were within the previous ranges of the BEA data. However, the 1983 Survey represented only 84% of the BEA total; the 1984 and 1985 data about 73%. This may represent a permanent shift, reflecting expenditures by certain large companies classified to the industry because of their paper converting plants, that make major expenditures on new plant and equipment outside the paper industry.

Table XXVIII is broken into two parts: XXVIIIA, which shows data on capital expenditures for environmental protection as published by the National Council of the Paper Industry for Air and Stream Improvement and Table XXVIIIB, which shows data on research and development expenditures by paper companies.

The data on research and development expenditures for the period through 1984 are reported by the National Science Foundation. The 1985-1987 data are those published by the McGraw-Hill Department of Economics. Their data indicate that the paper industry companies will continue to spend approximately 1% of total sales on R & D projects.

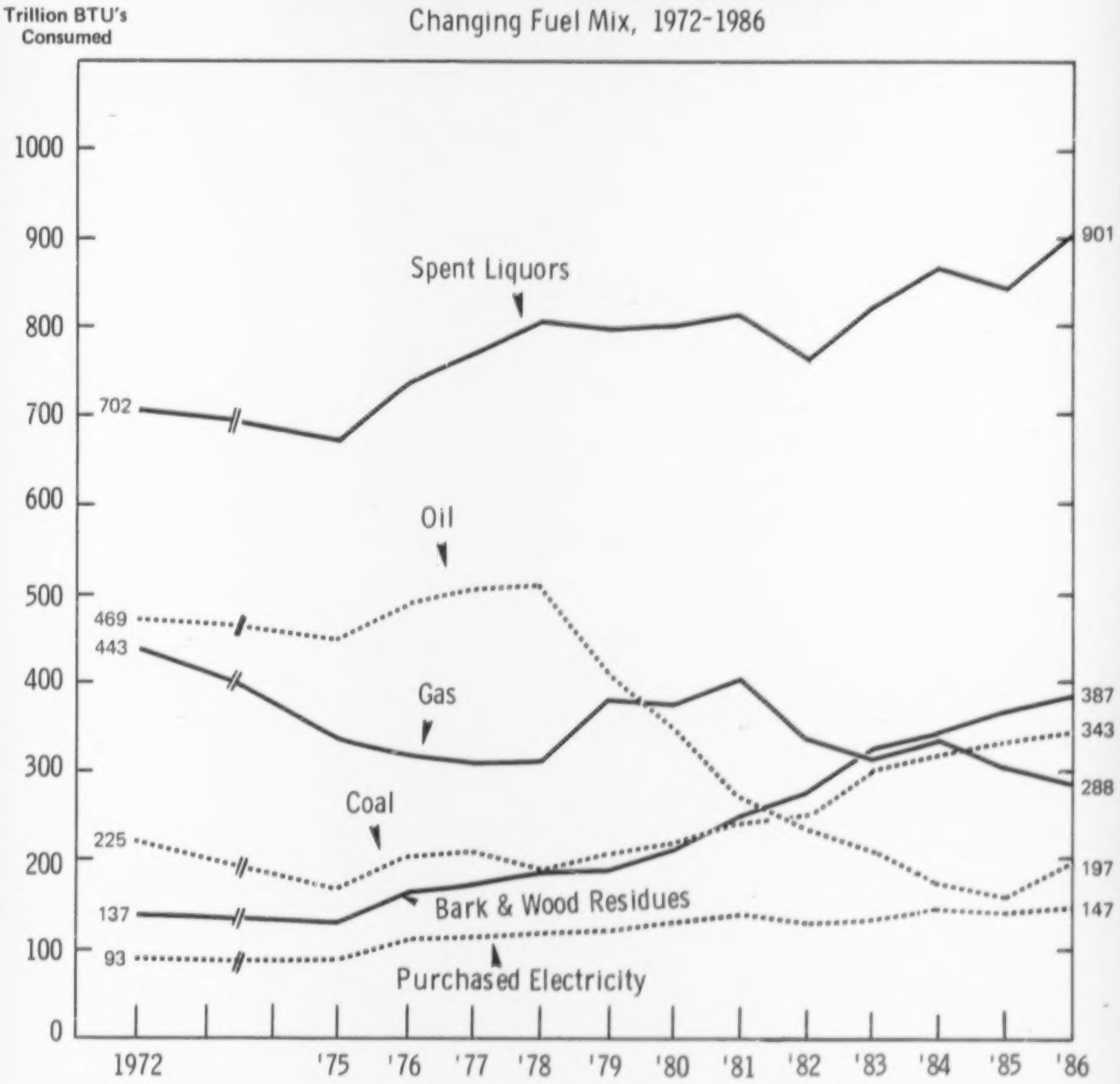
Table XXIX presents data on wood supply and demand. These are the same data published in our last few reports and are the most recent information available from the U.S. Department of Agriculture on ownership of timberlands and growth/removal data. They are included here because of the importance of this information to the paper industry. Unfortunately these reports are only published once every ten years or so, and interim reports do not include an update of this table.

CHART 2

ENERGY & MATERIALS DEPARTMENT
AMERICAN PAPER INSTITUTE
260 Madison Avenue, New York, N.Y. 10016

PULP, PAPER & PAPERBOARD INDUSTRY

Changing Fuel Mix, 1972-1986



MAY, 1987

TABLE XIX

UNITED STATES

PULP, PAPER AND PAPERBOARD INDUSTRY

ESTIMATED FUEL AND ENERGY USE

1972, 1982 - 1986

		1972*R			1982*R			1983*R		
SOURCE	Units	Estimated Use	Billion BTU's	% of Total+	Estimated Use	Billion BTU's	% of Total+	Estimated Use	Billion BTU's	% of Total+
Purchased Electricity	MM KWH	27,404.3	93,170.5	4.4	39,181.1	133,349.6	6.5	41,109.2	139,904.9	6.5
Purchased Steam	MM lbs	19,591.7	22,663.4	1.1	12,560.9	14,400.3	0.7	15,426.4	17,246.1	0.8
Coal	M Tons	9,024.9	224,484.5	10.7	10,353.1	252,346.9	12.4	12,317.2	304,771.2	14.1
Residual Fuel Oil	M 42 gal BBLs	71,114.0	447,313.2	21.2	36,616.3	230,828.2	11.3	32,456.4	204,401.1	9.5
Distillate Fuel Oil	M 42 gal BBLs	3,706.3	22,064.6	1.1	966.9	5,738.1	0.3	978.0	5,822.3	0.3
Liquid Propane Gas	M gal	28,604.6	2,632.3	0.1	27,243.0	2,504.9	0.1	25,085.3	2,306.8	0.1
Natural Gas	MMCF	434,294.4	442,768.2	21.0	331,485.0	340,084.2	16.7	308,300.8	313,546.2	14.5
Other Purchased Energy			1,637.6	0.1		3,180.6	0.2		3,017.1	0.1
Energy Sold			(13,154.2)			(19,030.8)			(22,402.8)	
Total Purchased Fossil Fuel and Energy			**1,243,580.1**	**59.7**		**963,402.0**	**48.2**		**960,612.9**	**45.9**
Hogged Fuel (50% Moisture Content)	M Tons	5,202.8	42,196.8	2.0	19,922.4	166,277.1	8.2	25,539.1	213,469.4	9.9
Bark (50% Moisture Content)	M Tons	10,371.3	94,639.0	4.5	12,940.7	111,895.2	5.5	13,621.9	118,195.6	5.5
Spent Liquor (Solids)	M Tons	55,298.2	699,947.1	33.2	61,980.6	762,053.6	37.2	68,460.8	818,806.6	37.7
Self-Generated Hydroelectric Power	MM KWH	2,700.7	9,186.2	0.4	2,851.6	9,734.1	0.5	2,856.8	9,886.3	0.5
Other Self-Generated Energy			2,984.1	0.2		7,426.6	0.4		10,359.5	0.5
Total Self-Generated & Waste Fuels			**848,953.2**	**40.3**		**1,057,386.6**	**51.8**		**1,170,717.4**	**54.1**
Total Energy			**2,092,533.3**	**100.0**		**2,020,788.6**	**100.0**		**2,139,330.3**	**100.0**

* Based on a sample of 93.2% of total dried pulp, paper and paperboard for 1983, 94.4% for 1982, and 89.9% for 1972.
\+ Determined by using "Total Energy" + "Energy Sold" as a denominator.
R Revised

SOURCE: Energy and Materials Department; Pulp, Materials and Technology Group; American Paper Institute.

TABLE XIX (Cont.)

UNITED STATES

PULP, PAPER AND PAPERBOARD INDUSTRY

ESTIMATED FUEL AND ENERGY USE

1972, 1982 - 1986

SOURCE	Units	1984*R Estimated Use	1984*R Billion BTU's	1984*R % of Total+	1985*R Estimated Use	1985*R Billion BTU's	1985*R % of Total+	1986* Estimated Use	1986* Billion BTU's	1986* % of Total+
Purchased Electricity	MM KWH	43,287.8	147,316.3	6.6	42,134.4	143,390.3	6.6	43,137.7	146,771.8	6.4
Purchased Steam	MM lbs	17,657.5	19,983.1	0.9	16,276.4	18,334.9	0.8	17,267.3	18,976.5	0.8
Coal	M Tons	13,285.5	328,633.3	14.8	13,545.8	335,103.7	15.3	13,893.6	343,427.2	14.9
Residual Fuel Oil	M 42 gal BBLs	25,809.6	152,565.2	7.2	23,732.8	149,537.7	6.8	31,438.3	188,806.3	8.2
Distillate Fuel Oil	M 42 gal BBLs	1,189.6	7,088.1	0.3	1,309.7	8,341.3	0.4	1,338.8	7,972.9	0.3
Liquid Propane Gas	M gal	33,823.8	3,107.0	0.1	36,726.5	3,372.7	0.2	31,585.0	2,946.1	0.1
Natural Gas	MMCF	323,707.5	329,226.5	14.8	300,780.2	305,737.8	14.0	282,701.3	287,832.6	12.5
Other Purchased Energy			3,385.0	0.2		2,946.2	0.1		3,248.3	0.1
Energy Sold			(24,747.9)			(24,278.3)			(29,932.3)	
Total Purchased Fossil Fuel and Energy			976,556.6	45.0		962,486.3	44.2		970,049.4	43.3
Hogged Fuel (50% Moisture Content)	M Tons	26,980.7	227,679.7	10.2	28,869.4	245,735.8	11.2	30,115.2	255,019.4	11.1
Bark (50% Moisture Content)	M Tons	14,098.8	123,135.3	5.5	14,268.2	122,465.8	5.6	15,315.2	131,836.6	5.7
Spent Liquor (Solids)	M Tons	71,152.9	851,670.4	38.3	69,714.1	837,069.2	38.3	74,849.1	900,826.1	39.2
Self-Generated Hydroelectric Power	MM KWH	2,917.3	10,140.9	0.5	2,457.4	8,845.2	0.4	2,688.0	9,271.7	0.4
Other Self-Generated Energy			10,662.0	0.5		7,514.4	0.3		6,391.0	0.3
Total Self-Generated & Waste Fuels			1,223,288.3	55.0		1,221,630.4	55.8		1,303,344.8	56.7
Total Energy			2,199,844.9	100.0		2,184,116.7	100.0		2,273,394.2	100.0

* Based on a sample of 92.0% of production of total dried pulp, paper and paperboard for 1986, 93.9% for 1985, and 93.6% for 1984.
\+ Determined by using "Total Energy" + "Energy Sold" as a denominator.
R Revised

SOURCE: Energy and Materials Department; Pulp, Materials and Technology Group; American Paper Institute.

TABLE XX

UNITED STATES

RECYCLABLE PAPER UTILIZATION AND RECOVERY

1970 - 1986

(Thousands of Tons)

YEAR	Paper and Board Production	New Supply Paper and Board	Recyclable Paper Consumption at Paper & Board Mills	Recyclable Paper Utilization Rate	Recyclable Paper for Molded Pulp, Insulation and other Uses	Exports	Imports	Total Recyclable Paper Recovered	Recyclable Paper Recovery Rate
1970	51,671	55,969	11,803	22.8%	418	408	(67)	12,562	22.4%
1971	53,163	57,450	12,106	22.8%	442	419	(68)	12,899	22.4%
1972	57,434	62,040	12,925	22.5%	447	415	(88)	13,699	22.1%
1973	59,900	65,004	14,094	23.5%	499	683	(87)	15,189	23.4%
1974	59,040	63,308	13,982	23.6%	489	1,307	(89)	15,689	24.8%
1975	50,976	54,113	11,748	23.0%	535	861	(72)	13,072	24.2%
1976	58,329	62,015	13,622	23.3%	630	1,273	(106)	15,419	24.9%
1977	60,040	64,241	14,058	23.4%	870	1,512	(92)	16,348	25.4%
1978	62,047	67,787	14,760	23.7%	502	1,599	(70)	16,791	24.8%
1979	64,345	69,796	15,361	23.8%	509	2,233	(78)	18,025	25.8%
1980	63,536	67,102	14,922	23.4%	473	2,664	(87)	17,972	26.8%
1981R	64,259	67,957	15,037	23.4%	480	2,213	(79)	17,650	26.0%
1982R	60,962	64,740	14,433	23.7%	487	2,127	(74)	16,973	26.2%
1983R	66,764	71,183	15,638	23.4%	484	2,573	(100)	18,595	26.1%
1984R	70,268	76,956	16,724	23.8%	460	3,235	(110)	20,309	26.4%
1985R	68,830	76,281	16,371	23.8%	478	3,286	(87)	20,348	26.7%
1986P	72,662	79,766	17,458	24.0%	491	3,749	(99)	21,599	27.1%

Paper and Board Production includes all grades of paper, paperboard, wet machine board, construction paper and board, excluding hard pressed board.

New Supply equals production plus imports less exports, excluding hard pressed board. Imports and exports include paper and paperboard converted products.

Utilization Rate is the ratio of recyclable paper consumption to total production of paper and board.

Recovery Rate is the ratio of recyclable paper collected to new supply of paper and paperboard.

Total Recyclable Paper Recovered is the sum of Recyclable Paper Consumption at Paper and Board Mills, other uses and exports less imports.

P - Preliminary

R - Revised

TABLE XXI

UNITED STATES

RECYCLABLE PAPER RECOVERY

1978-1986

(Thousands of Tons)

GRADE AND YEAR	Consumption at Paper and Board Mills	Consumption for Molded Pulp, Insulation and Other Uses	Exports	Sub Total	Imports	Total
Used Corrugated						
1978	6,721	-	577	7,298	(7)	7,291
1979	6,967	-	960	7,927	(11)	7,916
1980	6,866	-	1,209	8,075	(13)	8,062
1981	6,910	-	991	7,901	(12)	7,889
1982	6,770	-	887	7,657	(11)	7,646
1983	7,443	-	993	8,436	(14)	8,422
1984R	7,972	-	1,261	9,233	(17)	9,216
1985R	7,899	-	1,311	9,210	(5)	9,205
1986	8,768	-	1,530	10,298	(7)	10,291
Old Newspapers						
1978	2,000	502	366	2,868	(6)	2,862
1979	2,321	509	336	3,166	(4)	3,162
1980	2,391	473	425	3,289	(10)	3,279
1981	2,372	488	425	3,285	(9)	3,276
1982	2,486	489	439	3,414	(12)	3,402
1983	2,508	485	461	3,454	(18)	3,436
1984R	2,735	460	539	3,734	(15)	3,719
1985R	2,700	475	626	3,801	(29)	3,772
1986	2,824	491	766	4,081	(31)	4,050
Mixed Papers						
1978	2,729	-	471	3,200	(52)	3,148
1979	2,648	-	648	3,296	(57)	3,239
1980	2,268	-	649	2,917	(55)	2,862
1981	2,233	-	474	2,707	(50)	2,657
1982	1,707	-	497	2,204	(45)	2,159
1983	1,908	-	705	2,613	(62)	2,551
1984R	1,975	-	886	2,860	(69)	2,792
1985R	1,902	-	880	2,781	(44)	2,738
1986	2,033	-	694	2,727	(43)	2,684
Pulp Substitutes						
1978	2,242	-	92	2,334	(2)	2,332
1979	2,308	-	154	2,462	(4)	2,458
1980	2,254	-	205	2,459	(9)	2,450
1981	2,307	-	192	2,499	(8)	2,491
1982	2,247	-	164	2,411	(1)	2,410
1983	2,456	-	190	2,646	(5)	2,641
1984R	2,673	-	252	2,926	(6)	2,920
1985R	2,494	-	179	2,673	(3)	2,670
1986	2,445	-	312	2,757	(3)	2,754
High Grade Deinking						
1978	1,068	-	93	1,161	(3)	1,158
1979	1,117	-	135	1,252	(2)	1,250
1980	1,142	-	176	1,318	(*)	1,318
1981	1,216	-	130	1,346	(*)	1,346
1982	1,224	-	140	1,364	(6)	1,358
1983	1,323	-	225	1,548	(1)	1,547
1984R	1,369	-	297	1,666	(3)	1,663
1985R	1,380	-	290	1,671	(6)	1,664
1986	1,388	-	447	1,835	(16)	1,819
Total All Grades						
1978	14,760	502	1,599	16,861	(70)	16,791
1979	15,361	509	2,233	18,103	(78)	18,025
1980	14,922	472	2,664	18,058	(87)	17,971
1981	15,037	488	2,213	17,738	(79)	17,659
1982	14,433	489	2,127	17,049	(74)	16,975
1983	15,638	485	2,573	18,696	(100)	18,596
1984R	16,724	460	3,235	20,419	(110)	20,309
1985R	16,375	475	3,287	20,136	(87)	20,049
1986	17,458	491	3,749	21,698	(100)	21,598

SOURCE: 1978-1986 API Capacity Surveys
1986 API Paper Recycling Division.

* Less than 500 tons R = Revised P = Preliminary - = Zero

TABLE XXIIA

UNITED STATES PRODUCTION OF WOOD PULP

1974 - 1986

(000 Short Tons)

	1974R	1975R	1976R	1977R	1978R	1979R	1980R	1981R	1982R	1983R	1984R	1985R	1986
WOOD PULP, TOTAL[1/]	45,950	41,582	46,505	47,979	48,320	50,836	52,229	53,397	50,379	53,504	56,521	55,027	58,148
Total API Grades[2/]	44,839	40,584	45,385	46,648	46,888	49,366	50,734	52,042	49,334	52,454	55,471	54,147	57,268
Sp. Alpha & Dissolving Grades	1,772	1,368	1,485	1,465	1,411	1,497	1,508	1,353	1,092	1,261	1,206	1,174	1,257
Paper and Board Grades	44,178	40,214	45,020	46,513	46,908	49,340	50,721	52,045	49,287	52,242	55,315	53,853	56,891
API Paper & Board Grades	43,067	39,216	43,900	45,184	45,476	47,868	49,226	50,689	48,242	51,192	54,264	52,973	56,011
Total Sulfite	2,304	2,025	2,169	2,042	1,750	1,775	1,844	1,802	1,587	1,616	1,618	1,560	1,557
Bleached Sulfite	1,914	1,659	1,750	1,653	1,420	1,379	1,459	1,403	1,242	1,306	1,359	1,364	1,393
Unbl. Sulfite	390	366	419	389	330	396	385	399	345	310	259	196	164
Total Sulfate	32,483	29,357	33,599	34,857	36,095	37,641	38,591	39,644	37,891	40,697	43,071	42,136	44,776
Bl. & Semi-Bl. [3/]	15,500	14,130	15,773	16,452	17,113	18,051	19,000	20,070	19,721	21,107	22,350	22,626	24,158
Unbl. Sulfate	16,983	15,227	17,826	18,405	18,982	19,590	19,591	19,574	18,170	19,590	20,721	19,510	20,618
Total Groundwood	4,492	4,414	4,304	4,409	4,140	4,392	4,766	5,319	5,064	5,067	5,506	5,251	5,545
Stone and Refiner	4,492	4,414	4,304	4,047	3,638	3,755	3,602	3,735	3,395	3,225	3,361	3,118	3,069
Thermo-mechanical				362	502	637	1,164	1,584	1,669	1,842	2,145	2,133	2,476
Semichemical	3,788	3,420	3,828	3,876	3,491	4,060	4,025	3,924	3,700	3,812	4,069	4,026	4,133
Total Other	1,111	998	1,120	1,330	1,432	1,470	1,495	1,355	1,045	1,050	1,050	880	880
Defib. or Exploded[4/]	980	890	1,010	1,120	1,122	1,070	975	850	625	620	620	620E	620E
Scr., Damaged[5/]	131	108E	110E	110E	110E	100E	80E	90E	20E	30E	30E	30E	30E
Groundwood				100E	200E	300E	440	415	400	400	400E	230E	230E

SOURCE: Pulp, Materials and Technology Group - API

1/ These totals are comparable to the capacity data published on Table XIII, Wood Pulp Capacity. Excludes defibrated and exploded wood pulp for hardboard.

2/ Excludes Total Other

3/ Includes Soda Pulp

4/ Estimated to exclude wood pulp for hardboard. Source of original data is Bureau of the Census.

5/ Source: 1974-1975: U.S. Bureau of the Census

E - Estimated

TABLE XXIIB

UNITED STATES PRODUCTION OF MARKET WOOD PULP

1974 - 1986

(000 Short Tons)

	1974	1975	1976	1977	1978R	1979	1980R	1981	1982	1983R	1984	1985R	1986
MARKET WOOD PULP, TOTAL	5,145	4,344	4,870	4,820	5,162	5,678	6,465	6,203	5,732	6,526	6,899	6,800	7,567
Sp. Alpha & Dissolving	1,611	1,233	1,370	1,462	1,406	1,497	1,506	1,350	1,089	1,260	1,204	1,172	1,251
Paper Grade Chemical Total	3,518	3,074	3,430	3,263	3,674	4,117	4,891	4,852	4,643	5,255	5,680	5,613	6,303
Bleached Sulfite	392	314	292	219	232	248	349	263	205	230	262	223	224
Unbleached Sulfite	30	27	28	13	19	28	32	3	0	0	0	0	0
Bl. & Semi-Bl. Sulfate	2,905	2,646	2,997	2,895	3,294	3,729	4,378	4,442	4,315	4,883	5,264	5,242	5,926
Unbleached Sulfate	191	87	113	136	129	112	132	144	123	142	154	149	153
Paper Grades - Other	18	36	70	94	81	63	69	0	1	12	15	15	13

SOURCE: Pulp, Materials and Technology Group - API

TABLE XXIII

UNITED STATES CONSUMPTION OF PULPWOOD, WOOD PULP AND OTHER FIBROUS MATERIALS

IN PAPER AND PAPERBOARD MILLS

1974 - 1986

(000 Short Tons)

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984R	1985R	1986P
WOOD PULP, TOTAL*	**46,736**	**40,863**	**45,894**	**46,824**	**48,223**	**50,058**	**51,181**	**51,437**	**48,706**	**52,072**	**55,644**	**54,697**	**57,205**
Special Alpha and Dissolving Grades	58	42	36	44	42	42	41	38	30	37	34	40	40
Bleached Sulfite	2,136	1,768	1,985	1,884	1,587	1,726	1,664	1,591	1,500	1,592	1,660	1,614	1,663
Unbleached Sulfite	547	442	501	481	407	468	464	464	465	435	413	341	328
Bleached Sulfate	14,608	12,919	14,447	15,228	16,043	16,685)							
Semi-bleached Sulfate	1,626	1,453	1,517	1,378	1,795	1,769)	18,941[1/]	18,992	19,090	20,376	21,755	21,897	22,887
Unbleached Sulfate	17,825	15,430	17,527	18,149	18,694	19,307)							
Soda	231	166	121	121	118	127)	19,707	19,887	18,252	19,803	21,092	20,452	21,599
Groundwood	5,004	4,546	5,085	4,497	4,281	4,396	4,277	4,391	3,889	3,944	3,877	3,449	3,597
Thermomechanical	-	-	-	368	441	559	1,078	1,468	1,471	1,670	2,160	2,295	2,398
Semichemical	3,628	3,120	3,546	3,521	3,609	3,860	3,948	3,666	3,364	3,565	4,003	3,959	4,043
Defibrated or Expl. E	916	849	993	1,019	1,075	1,015	955	850	625)				
Scngs, Damaged, etc.	157	125	135	134	131	104	106	90	20)	650	650	650	650
OTHER FIBROUS MAT., TOTAL	**14,820**	**12,373**	**14,364**	**14,884**	**15,584**	**16,088**	**15,524**	**15,629**	**14,882**	**16,069**	**17,089**	**16,670**	**17,758**
Recyclable Paper	13,982	11,748	13,622	14,058	14,760	15,361	14,922	15,037	14,433	15,638	16,724	16,375	17,458
All Other, incl. Straw, Rags, etc.	838	625	742	826	824	727	602	592	449	431	365	295	300
TOTAL FIBROUS MATERIALS	**61,556**	**53,236**	**60,258**	**61,708**	**63,807**	**66,146**	**66,705**	**67,066**	**63,588**	**68,141**	**72,733**	**71,367**	**74,963**
PULPWOOD, TOTAL**	**74,459**	**65,421**	**73,209**	**73,970**	**77,290**	**79,566**	**79,703**	**81,178**	**76,257**	**85,442**	**87,646**	**85,744**	**91,434**
Softwood	54,634	48,932	54,789	55,509	57,096	58,654	58,809	59,631	55,954	61,947	62,558	60,610	63,127
Hardwood	19,825	16,489	18,420	18,461	20,194	20,912	20,894	21,547	20,303	23,495	25,088	25,134	28,307
Receipts of Residues	29,949	28,694	28,165	29,653	30,380	30,015	29,402	30,590	31,152	32,755	32,072	30,496	32,754
CONSUMPTION OF WOOD PULP IN OTHER THAN PAPER AND PAPERBOARD MILLS													
TOTAL WOOD PULP	**1,152**	**785**	**886**	**879**	**884**	**909**	**825**	**788**	**N.A.**	**N.A.**	**N.A.**	**N.A.**	**N.A.**
Sp.Alpha & Dis. Grades	937	600	705	702	676	701	629	609	N.A.	N.A.	N.A.	N.A.	N.A.
Other Wood Pulps	216	185	181	177	208	208	196	179	N.A.	N.A.	N.A.	N.A.	N.A.

SOURCE: Consumption in paper and board mills of wood pulp - 1972-1985 - Bureau of the Census, Industry Division
1986 American Paper Institute
Consumption of recyclable paper - American Paper Institute
Consumption of other fibrous materials - Bureau of the Census, Industry Division, 1974-1980; 1981-1986, A.P.I.
Consumption of pulpwood - American Pulpwood Association

* Includes figures for Alaska; excludes wood pulp for hard pressed board.

** Includes slabs, chips and mill waste. All pulpwood data in thousands of cords.
R - Revised E - Estimated by American Paper Institute P - Preliminary

Note: Details may not add to totals due to rounding of figures to nearest thousand.
Recyclable paper consumption - Bureau of the Census data (000 tons)
1972 - 11,703; 1973 - 12,374; 1974 - 12,098; 1975 - 10,367; 1976 - 11,874; 1977 - 12,103;
1978 - 12,586; 1979 - 13,012; 1980 - 12,583; 1981 - 12,872; 1982 - 13,563; 1983 - 14,170; 1984 - 14,944; 1985 - 14,816; 1986 - N.A.

1/ Soda included in bleached and semibleached sulfate wood pulp.
N.A. - Not Available

TABLE XXIV

WAGE RATES AND EMPLOYMENT

PAPER AND ALLIED PRODUCTS INDUSTRY

1969 - 1986

YEAR	Average Hourly Earnings (Dollars)	Average Weekly Earnings (Dollars)	Average Weekly Hours	Employees	
				Total	Production Workers
				(Thousands)	
PAPER AND ALLIED PRODUCTS - SIC 26					
1969	3.24	139.32	43.0	711.1	550.6
1970	3.44	144.14	41.9	705.5	543.2
1971	3.67	154.51	42.1	681.9	521.8
1972	3.95	169.06	42.8R	688.9	531.6
1973	4.20	180.18	42.9	704.6	543.1
1974	4.53	191.17R	42.2	706.1	544.3
1975	5.01	208.42	41.6	642.0	479.7
1976	5.47	232.48	42.5	675.5	508.3
1977	5.96	255.68	42.9	691.6	518.2
1978	6.52	279.71	42.9	698.7	524.7
1979	7.13	303.74	42.6	706.8	535.6
1980	7.84	330.85	42.2	692.8	522.7
1981	8.60	365.50	42.5	688.5	518.4
1982	9.32	389.58	41.8	662.4	493.9
1983	9.93	423.02	42.6	661.2	494.5
1984	10.41	448.67	43.1	680.9	511.6
1985	10.83	466.77	43.1	677.7	512.1
1986	11.18	482.98	43.2	674.3	511.4
PAPER AND PULP* - SIC 261,262,266					
1969	3.58	160.38	44.8	222.7	173.6
1970	3.80	166.06	43.7	218.8	168.6
1971	4.05	177.80	43.9	208.8	160.6
1972	4.37	194.03	44.4	206.5	160.6
1973	4.66	208.77	44.8	208.7	162.7
1974	5.00	222.50	44.5	210.7	164.0
1975	5.54	240.44	43.4	196.8	150.3
1976	6.12	272.95	44.6	203.9	156.4
1977	6.75	302.40	44.8	205.4	157.3
1978	7.44	334.80	45.0	200.1	151.1
1979	8.26	372.53	45.1	205.9	154.7
1980	9.15	407.18	44.5	203.3	152.2
1981	10.06	449.68	44.7	203.8	153.2
1982	10.87	480.45	44.2	198.5	149.0
1983	11.70	520.65	44.5	198.0	149.0
1984	12.43	559.35	45.0	200.0	150.6
1985	13.14	591.30	45.0	197.0	149.4
1986	13.62	615.62	45.2	195.2	149.3
PAPER MILLS EXCEPT BUILDING PAPER - SIC 262					
1972	4.36	194.46	44.6	179.2	138.6
1973	4.64	209.26	45.1	180.8	140.1
1974	4.97	222.66	44.8	182.7	141.1
1975	5.52	240.67	43.6	170.9	129.5
1976	6.10	273.89	44.9	176.4	134.2
1977	6.70	300.83	44.9	175.7	133.6
1978	7.43	336.58	45.3	170.3	127.6
1979	8.24	374.92	45.5	176.8	131.5
1980	9.09	408.14	44.9	175.0	129.7
1981	10.00	454.00	45.4	175.6	130.9
1982	10.86	485.44	44.7	171.3	127.2
1983	11.70	524.16	44.8	173.7	128.5
1984	12.46	563.19	45.2	175.5	130.7
1985	13.21	774.11	58.6	173.5	130.5
1986	13.70	621.98	45.4	170.9	129.9

* Includes Building Paper and Board Mills

SOURCE: Bureau of Labor Statistics, Employment and Earnings, Tables B-2 and C-2, U.S. Department of Labor, Washington, D.C.

NOTE: Data on hours and earnings refer to Production Non-Supervisory Workers. R - Revised

TABLE XXIV (Cont.)

WAGE RATES AND EMPLOYMENT

PAPER AND ALLIED PRODUCTS INDUSTRY

1969 - 1986

YEAR	Average Hourly Earnings (Dollars)	Average Weekly Earnings (Dollars)	Average Weekly Hours	Employees	
				Total	Production Workers
				(Thousands)	
PAPERBOARD - SIC 263					
1969	3.61	163.53	45.3	71.1	56.4
1970	3.86	171.77	44.5	71.1	56.8
1971	4.14	184.23	44.5	66.0	51.4
1972	4.47	200.70	44.9	66.0	52.6
1973	4.78	212.23	44.4	66.1	52.5
1974	5.14	225.65	43.9	65.5	52.3
1975	5.74	243.95	42.5	60.8	47.9
1976	6.40	280.32	43.8	65.6	52.2
1977	6.94	312.30	45.0	66.9	52.4
1978	7.67	340.55	44.4	67.3	52.8
1979	8.38	367.88	43.9	65.5	51.9
1980	9.28	408.32	44.0	65.1	51.0
1981	10.23	450.12	44.0	63.5	49.8
1982	11.11	474.40	42.7	60.4	46.7
1983	12.11	525.57	43.4	58.2	44.5
1984	12.99	575.46	44.3	57.2	43.8
1985	13.60	599.76	44.1	55.3	42.4
1986	13.98	619.31	44.3	53.3	40.6
MISCELLANEOUS CONVERTED PAPER PRODUCTS - SIC 264					
1969	2.94	121.30	41.4	187.6	136.4
1970	3.12	126.05	40.4	190.1	138.4
1971	3.36	136.42	40.6	190.2	139.2
1972	3.61	151.26	41.9	196.4	143.1
1973	3.85	161.32	41.9	205.4	148.8
1974	4.19	173.05	41.3	210.6	155.8
1975	4.57	185.09	40.5	190.5	133.6
1976	4.92	202.21	41.1	200.8	140.8
1977	5.33	219.60	41.2	210.2	147.5
1978	5.82	239.20	41.1	217.8	155.9
1979	6.31	259.34	41.1	221.4	163.7
1980	6.89	279.73	40.6	219.6	162.7
1981	7.58	310.02	40.9	220.1	162.0
1982	8.20	332.10	40.5	213.5	154.7
1983	8.71	361.47	41.5	214.4	155.8
1984	9.09	379.05	41.7	226.5	165.4
1985	9.33	390.93	41.9	228.5	168.0
1986	9.62	403.08	41.9	229.5	169.2
PAPERBOARD CONTAINERS & BOXES - SIC 265					
1969	3.00	125.10	41.7	229.6	184.2
1970	3.18	128.79	40.5	225.5	179.3
1971	3.40	139.06	40.9	216.8	170.6
1972	3.64	151.06	41.5	219.9	175.3
1973	3.88	160.63	41.4	224.5	179.0
1974	4.16	168.06	40.4	219.3	172.2
1975	4.59	186.35	40.6	193.9	148.0
1976	4.95	204.44	41.3	205.2	158.9
1977	5.36	224.05	41.8	209.1	161.0
1978	5.89	247.97	42.1	213.5	164.9
1979	6.37	263.08	41.3	214.0	165 4
1980	6.94	285.93	41.2	204.9	156.8
1981	7.53	312.50	41.5	201.2	153.5
1982	8.16	329.66	40.4	190.0	143.6
1983	8.60	358.62	41.7	190.6	145.1
1984	8.92	377.32	42.3	197.2	151.8
1985	9.24	389.00	42.1	196.9	152.3
1986	9.56	405.34	42.4	196.3	152.4

SOURCE: Bureau of Labor Statistics, Employment and Earnings, Tables B-2 & C-2, & Labstat Series Report, U.S. Dept. of Labor, Washington, DC

NOTE: Data on hours and earnings refer to Production and Non-Supervisory Workers. R - Revised

TABLE XXV

PULP, PAPER AND BOARD MILLS

OUTPUT PER MAN-HOUR

1947 - 1986

YEAR	Output per Employee Hour: Production Workers	Output per Employee Hour: All Employees	Output	Employee Hours: Production Workers	Employee Hours: All Employees
			-1977 = 100-		
1947	29.4	32.4	31.7	108.0	97.9
1948	N.A.	N.A.	33.0	N.A.	N.A.
1949	31.3	33.8	30.7	98.0	90.7
1950	35.0	38.1	36.7	104.8	96.3
1951	36.8	39.8	40.0	108.7	100.6
1952	36.3	38.9	38.0	104.7	97.6
1953	36.3	38.9	40.6	111.8	104.3
1954	37.9	40.4	41.4	109.1	102.5
1955	40.4	43.2	46.4	114.9	107.3
1956	42.5	45.1	49.2	115.7	109.1
1957	42.9	45.1	47.9	111.7	106.3
1958	44.1	46.2	48.1	109.1	104.2
1959	46.9	49.0	53.6	114.4	109.4
1960	48.8	50.6	54.8	112.2	108.3
1961	52.2	53.9	56.5	108.3	104.9
1962	54.2	56.0	59.5	109.8	106.3
1963	57.4	59.3	62.7	109.2	105.8
1964	60.3	62.3	66.7	110.6	107.0
1965	63.7	65.4	70.6	110.9	107.9
1966	66.9	68.7	76.1	113.8	110.8
1967	66.1	67.6	75.9	114.8	112.2
1968	69.9	71.9	81.6	116.8	113.5
1969	72.5	74.8	85.9	118.5	114.9
1970	75.8	77.5	85.1	112.2	109.8
1971	80.1	81.0	86.0	107.3	106.2
1972	86.7	87.9	92.8	107.0	105.6
1973	90.2	91.5	97.1	107.7	106.1
1974	90.5	91.5	96.7	106.8	105.7
1975	87.7	86.7	82.1	93.6	94.7
1976	95.0	95.0	95.6	100.6	100.6
1977	100.0	100.0	100.0	100.0	100.0
1978	103.7	103.2	102.4	98.7	99.2
1979	106.2	105.4	106.0	99.8	100.6
1980	106.4	105.2	105.3	99.0	100.1
1981	105.5	104.4	102.4	97.1	98.1
1982	113.7	111.3	103.1	90.7	92.6
1983R	121.4	119.6	111.0	91.4	92.8
1984R	124.0	121.9	115.9	93.5	95.1
1985R	123.6	122.2	114.6	92.7	93.8
1986E	132.1	131.2	121.8	92.2	92.8

SOURCE: U.S. Department of Labor - Bureau of Labor Statistics.
E - Estimated by A.P.I. R - Revised

TABLE XXVI

COMPENSATION OF EMPLOYEES IN THE PAPER AND ALLIED PRODUCTS INDUSTRY

IN THE GROSS NATIONAL PRODUCT ACCOUNTS

1948 - 1986

YEAR	COMPENSATION OF EMPLOYEES			Corporate Capital Consumption Allowance	Number of Full Time Equivalent Employees (000)	Number of Full Time & Part Time Employees (000)	Average Annual Earnings per Full Time Equivalent Employee (Dollars)
	Total	Wages and Salaries	Supplements to Wages & Salaries*				
	(Millions of Dollars)						
1948	1,577	1,501	76	122	470	470	3,194
1949	1,548	1,465	83	140	451	453	3,248
1950	1,788	1,686	102	154	482	485	3,498
1951	2,057	1,923	134	179	504	510	3,815
1952	2,143	2,004	139	204	497	504	4,032
1953	2,375	2,224	151	234	523	533	4,252
1954	2,457	2,292	165	275	522	534	4,391
1955	2,684	2,499	185	338	537	551	4,654
1956	2,919	2,712	207	370	554	570	4,895
1957	3,038	2,812	226	419	555	567	5,067
1958	3,117	2,868	249	464	542	558	5,292
1959	3,436	3,152	284	474	567	582	5,559
1960	3,596	3,288	308	496	576	592	5,708
1961	3,791	3,464	327	541	582	599	5,952
1962	4,042	3,678	364	653	598	615	6,151
1963	4,222	3,828	394	665	605	622	6,327
1964	4,446	4,028	418	721	607	625	6,636
1965	4,696	4,250	446	734	628	640	6,768
1966	5,133	4,616	517	771	656	667	7,037
1967	5,415	4,876	539	837	672	680	7,256
1968	5,885	5,267	618	898	681	691	7,734
1969	6,496	5,768	728	955	705	713	8,182
1970	6,788	5,994	794	1,007	694	702	8,637
1971	7,039	6,172	867	1,060	669	679	9,226
1972	7,708	6,704	1,004	1,167	674	684	9,947
1973	8,466	7,290	1,176	1,249	689	700	10,581
1974	9,216	7,885	1,333	1,281	688	701	11,461
1975	9,350	7,921	1,429	1,435	628	642	12,613
1976	10,909	9,167	1,742	1,667	662	673	13,847
1977	12,192	10,182	2,011	1,889	679	692	14,996
1978	13,498	11,219	2,258	2,126	690	700	16,259
1979	14,965	12,379	2,538	2,128	697	707	17,760
1980	16,199	13,384	2,815	2,564	681	691	19,653
1981	17,658	14,541	3,114	2,842	679	687	21,409
1982	18,250	14,994	3,256	3,287	649	663	23,103
1983	19,459	15,994	3,465	3,403	650	662	24,606
1984R	21,180	17,476	3,730	4,304	666	680	26,240
1985R	22,060	18,274	3,786	N.A.	667	679	27,397
1986E	22,951	19,009	3,942	N.A.	664	676	28,628

SOURCE: Bureau of Economic Analysis, Department of Commerce, Gross National Product Accounts, Table 6

* Total Less Wages and Salaries

E - Estimated by A.P.I. R - Revised N.A. - Not Available

TABLE XXVII

PAPER AND ALLIED PRODUCTS

CAPITAL EXPENDITURES

1947 - 1986

(Million Dollars)

YEAR	BY PAPER AND ALLIED PRODUCTS COMPANIES	AT PAPER AND ALLIED PRODUCTS ESTABLISHMENTS								
		Total SIC 26	PRIMARY MILLS				CONVERTED PLANTS		
			Total Primary 261-3, 266	Pulp Mills 261	Paper Mills 262	Paperboard Mills 263	Building Paper & Board Mills 266	Total Converting 264,5	Converted Paper Products 264	Paperboard Containers & Boxes 265
1947	370	407	291	86	- - - 205- - - -		a	116	64	52
1948	383	- - -

TABLE XXVIIIA

PULP AND PAPER INDUSTRY ENVIRONMENTAL PROTECTION

CAPITAL EXPENDITURES THROUGH 1986 AND PLANNED THROUGH 1987

1966-1987

(Million Dollars)

YEAR	Water	Air	Solid Waste Disposal From Manufacturing	Total	Percent of Total Capital Expenditures
1966	270	129	10	409	
1967	44	31(E)	1(E)	76	
1968	49	43(E)	1(E)	93	
1969	74	52(E)	2(E)	128	
1970	120	65(E)	2(E)	187	
1971	134	66	2.5	203	
1972	205	129	5	339	38
1973	179	162	10	351	34
1974	216	296	11	523	31
1975	286	341	18	645	30
1976	319	216	29	564	29
1977	278	148	17	443	19
1978	182	149	32	363	16
1979	178	158	23	359	12
1980	140	190	38	368	9
1981	91	120	49	260	6
1982	81	214	23	318	9
1983	118	149	60	327	6
1984	62	130	34	226	6
1985	121	175	46	342	7
1986	80	109	48	237	4
Through 1986	3,227	3,072	462	6,761	
Planned 1987	105	120	93	324	

SOURCE: National Council of the Paper Industry for Air and Stream Improvement
(E) - Estimate R - Revised

TABLE XXVIIIB

PAPER AND ALLIED PRODUCTS

EXPENDITURES ON

RESEARCH AND DEVELOPMENT

1966-1987

(Million Dollars)

YEAR	Total Expenditures
1966	117
1967	128
1968	144
1969	188
1970	178
1971	187
1972	189
1973	194
1974	237
1975	249
1976	313
1977	333
1978	387
1979	445
1980	495
1981	566
1982	626
1983	674
1984	801R
1985	861
1986	857*
Planned 1987	912*

SOURCE: National Science Foundation
* McGraw Hill Economics Department Estimate

TABLE XXIX

WOOD SUPPLY AND DEMAND

	Total	New England States	Middle Atlantic States	Lake States	Central States	Southern States	Pacific Coast States	Rocky Mountain States
	Million Acres							
Commercial Forest Land in U.S. January 1, 1977	482.5	31.0	46.4	47.6	41.2	188.0	70.5	57.8
Ownership by Forest Industry Companies	68.8	9.7	3.2	4.2	0.8	36.2	12.5	2.1
% of Industry	14.3%	31.4%	6.9%	8.8%	2.0%	19.3%	17.8%	3.6%
	Million Cubic Feet							
All Species								
Total Growth	21,664	1,345	1,795	1,617	1,035	10,705	3,478	1,690
Removals	14,229	639	663	719	637	6,571	4,154	845
Mortality	3,925	226	322	529	142	1,121	1,087	498
Removals and Mortality as Percent of Growth	83.8%	64.4%	54.9%	77.2%	75.3%	71.9%	150.7%	79.5%
Softwoods								
Total Growth	12,285	838	229	463	69	6,158	2,938	1,589
Removals	10,046	396	103	181	25	4,471	4,028	842
Mortality	2,303	137	54	130	7	512	1,003	459
Removals and Mortality as Percent of Growth	100.5%	63.6%	68.6%	67.3%	46.7%	80.9%	171.2%	81.8%
Hardwoods								
Total Growth	9,380	506	1,566	1,154	965	4,547	541	100
Removals	4,183	244	560	538	612	2,100	126	3
Mortality	1,622	88	268	399	135	609	84	39
Removals and Mortality as Percent of Growth	61.9%	65.6%	52.9%	81.2%	77.4%	59.6%	38.8%	42.1%

New England States	Middle Atlantic States	Lake States	Central States	Southern States	Pacific Coast States	Rocky Mountain States
Connecticut	Delaware	Michigan	Illinois	North Carolina	Alaska	Idaho
Maine	Maryland	Minnesota	Indiana	South Carolina	Oregon	Montana
Massachusetts	New Jersey	North Dakota	Iowa	Virginia	Washington	South Dakota (West)
New Hampshire	New York	South Dakota (East)	Kansas	Florida	California	Wyoming
Rhode Island	Pennsylvania	Wisconsin	Kentucky	Georgia	Hawaii	Arizona
Vermont	West Virginia		Missouri	Alabama		Colorado
			Nebraska	Mississippi		Nevada
			Ohio	Tennessee		Mexico
				Arkansas		Utah
				Louisiana		
				Oklahoma		
				Texas		

SOURCE: An Analysis of the Timber Situation in the United States 1952-2030, U.S. Department of Agriculture, Forest Service, Forest Resource Report No. 23, December 1982. Commercial Forest Land and Ownership Table 3.4. Data refer to 1976 Growth, Removals and Mortality Table 3.45

SECTION IV

FINANCIAL DATA ON THE PAPER INDUSTRY

Table XXX shows information on the financial structure of the paper and allied products industry for the period 1950 through 1986. These data are drawn from quarterly reports published in the Bureau of Census' Quarterly Financial Reports for Manufacturing, Mining and Trade Corporations.

The annual data shown represent the summation of reported quarterly totals. Annual totals have never been published in the original report.

Several of the years show duplicate numbers. At the end of each year, the agency compiling the report surveys the companies included in each category, and re-assigns those that have changed to other industries. It then recomputes the previous years' data, utilizing the current sample. The timing of this review in 1980 led to three separate estimates of the paper and allied products industry totals.

The 1986 revision also resulted from a change in the scope of the survey. From now on, the industry data will omit those corporations with less than $250,000 in assets. This resulted in a reduction $50,000,000 (.07%) in total assets for the paper and allied products companies included in this report and a $47,000,000 (.09%) reduction in total capital.

The tables show that sales continued the expansion trend evident since 1983, moving to a record high. Earnings rose faster than sales, bringing the ratios of net profits to net sales close to the rates that prevailed before the 1982 recession. The quarterly data from which these data were drawn show that the fourth quarter 1986 ratio was back to its 1980-1981 level, as was the ratio of net profit after taxes to net worth. The 1986 dollar values of cash flow reported in these tables were at new highs.

Table XXXI shows the producer price indexes for the paper and allied products industry as published by the Bureau of Labor Statistics.

The Bureau of Labor Statistics is in the process of completely revamping its producer's price index series, moving it to a system that matches the Standard Industrial Classification Codes of the Office of Management and Budget and the Bureau of Census product codes. The table on page 64 presents the data based on the old price codes for the years 1979 through 1986. The continuation of that table on page 65 shows the data as reported in the new product code system for the years 1982 through 1986. Most of the new indexes have either June 1981 or December 1982 as their base period, although some of the total indexes did not start until December 1984.

Table XXXII presents data on the paper and allied products industry as published in the 1984 and 1985 Surveys of Manufactures.

The tables on this page outline the cost structure for all of the 17 industries that comprise the Paper and Allied Products Industry Group (SIC 26). They show total payroll costs, cost of materials and the value of shipments. In addition, data on capital expenditures and inventories are also shown.

The value of shipments data here are based on shipments of all products from each of the establishments that comprise the industries shown. This is somewhat different from the value of shipments of paper and allied products presented on Table XV. In that table the values are shown for the total products on a "wherever-made basis".

In Table XXXII, shipments from each establishment are included in the total even if the product goes to another mill or establishment in the same company. Thus, the value of industry shipments shown here double count to some extent and are not consistent with the sales totals of individual companies. However, the cost data shown for each industry are internally consistent.

TABLE XXX

PAPER AND ALLIED PRODUCTS INDUSTRY

PROFIT AND LOSS DATA, CASH INFLOW AND SELECTED BALANCE SHEET DATA

1950 - 1986

(Millions of Dollars)

YEAR	Net Sales	Net Profit Before Taxes	Net Profit Before Taxes To Net Sales (%)	Income Taxes	Net Profit After Taxes	Net Profit After Taxes To Net Sales (%)	Depreciation	Cash Inflow	Gross Cash Flow
1950	6,377	982	15.4	424	558	8.8	162	720	1,144
1951	8,022	1,417	17.7	858	559	6.9	183	742	1,600
1952	7,688	1,000	13.0	563	437	5.7	222	659	1,222
1953	8,371	1,005	12.0	554	450	5.4	242	692	1,246
1954	8,492	970	11.4	493	479	5.6	268	718	1,211
1955	9,847	1,206	12.2	601	604	6.1	310	914	1,515
1956	10,686	1,283	12.0	626	657	6.1	360	1,017	1,643
1957	10,420	1,020	9.8	497	521	5.0	376	897	1,394
1958 1/	10,256	899	8.8	440	460	4.5	406	866	1,306
1958 2/	10,658	987	9.3	481	506	4.7	423	929	1,410
1959	11,824	1,204	10.2	585	619	5.2	459	1,078	1,663
1960	11,764	1,135	9.6	546	587	5.0	480	1,069	1,613
1961	12,525	1,120	8.9	535	583	4.7	531	1,114	1,649
1962	13,698	1,212	8.8	584	628	4.6	583	1,211	1,795
1963	14,050	1,215	8.6	581	634	4.5	615	1,249	1,830
1964	14,771	1,312	8.9	557	754	5.1	641	1,395	1,952
1965 1/	16,224	1,488	9.2	619	869	5.4	671	1,539	2,159
1965 2/	15,217	1,271	8.4	517	753	4.9	632	1,385	1,902
1966	17,016	1,544	9.1	633	911	5.4	676	1,587	2,220
1967 2/	16,900	1,316	7.8	523	796	4.7	723	1,519	2,039
1968	18,738	1,534	8.2	645	889	4.7	780	1,669	2,314
1969	20,607	1,675	8.1	688	987	4.8	821	1,808	2,496
1970	21,069	1,211	5.7	492	719	3.4	869	1,588	2,080
1971 1/	22,224	967	4.4	455	512	2.3	926	1,438	1,893
1971 2/	- - -

TABLE XXX (Cont.)

PAPER AND ALLIED PRODUCTS INDUSTRY

PROFIT AND LOSS DATA, CASH INFLOW AND SELECTED BALANCE SHEET DATA

1950 - 1986

(Millions of Dollars)

YEAR	Cash Dividends	Retained Earnings	Net Cash Flow	Total Assets	Property Plant & Equipment Gross	Property Plant & Equipment Net	Net Worth	Long Term Debt	Total Capital	Net Profit After Taxes To Net Worth (%)
1950	178	380	542	5,055	N.A.	2,285	3,585	490	4,075	15.6
1951	200	359	542	6,005	N.A.	2,600	3,963	625	4,588	14.1
1952	196	241	463	6,301	4,643	2,777	4,298	784	5,082	10.1
1953	203	247	489	6,825	5,349	3,273	4,559	803	5,362	9.9
1954	227	252	520	7,085	5,694	3,367	4,963	908	5,871	9.7
1955	259	345	655	7,785	6,171	3,623	5,403	1,010	6,413	11.2
1956	273	384	744	8,492	7,028	4,213	5,772	1,286	7,058	11.4
1957	270	251	627	8,407	7,502	4,509	5,809	1,309	7,118	8.9
1958[1/]	265	195	601	8,829	7,941	4,652	6,089	1,472	7,561	7.6
1958[2/]	286	220	643	9,170	8,200	4,818	6,341	1,500	7,841	8.0
1959	290	329	788	9,721	8,740	5,062	6,642	1,512	8,154	9.3
1960	312	275	755	10,087	9,432	5,385	6,956	1,622	8,578	8.4
1961	328	255	786	11,051	10,447	5,857	7,612	1,719	9,331	7.6
1962	340	288	871	11,670	11,058	6,052	7,766	1,953	9,719	8.1
1963	348	286	901	11,859	11,420	6,079	7,886	1,964	9,850	8.0
1964	376	378	1,019	12,560	12,380	6,585	8,304	1,967	10,271	9.1
1965[1/]	409	461	1,132	13,850	13,378	7,321	8,672	2,439	11,111	10.0
1965[2/]	350	403	1,035	13,017	13,047	7,053	8,165	2,447	10,617	9.2
1966	372	539	1,215	14,621	14,662	8,131	8,710	3,104	11,814	10.5
1967[2/]	391	405	1,128	15,645	15,403	8,579	9,011	3,736	12,747	8.8
1968	396	493	1,273	16,809	16,059	8,964	9,303	4,199	13,502	9.6
1969	418	569	1,390	18,794	17,169	9,529	10,212	4,267	14,479	9.7
1970	430	289	1,158	19,679	18,160	9,969	10,305	4,822	15,127	7.0
1971[1/]	418	94	1,020	20,424	19,001	10,194	10,652	5,239	15,891	4.8
1971[2/]	N.A.	N.A.	N.A.	19,582	18,558	9,987	10,326	5,137	15,463	N.A.
1972	377	564	1,523	19,810	18,816	9,903	10,615	4,973	15,588	8.9
1973[1/]	416	1,025	2,037	21,377	19,998	10,616	11,536	5,073	15,609	12.5
1973[2/]	N.A.	N.A.	N.A.	20,506	18,740	9,888	11,166	4,935	16,101	N.A.
1974[1/]	519	1,668	2,700	23,696	19,093	11,524	12,958	5,346	18,304	16.8
1974[2/]	530	1,754	2,817	26,088	21,856	12,012	13,602	6,457	20,059	16.8
1975	632	1,158	2,377	28,220	24,265	13,773	14,878	7,193	22,071	12.1
1976	660	1,601	2,983	32,010	27,284	15,659	17,203	7,625	24,828	13.2
1977[1/]	725	1,502	3,050	34,450	29,545	17,131	18,321	8,551	26,872	12.2
1977[2/]	793	1,566	3,229	37,047	31,866	18,590	19,704	9,254	28,958	12.0
1978[1/]	877	1,771	3,538	40,810	34,420	20,226	21,181	10,082	31,263	12.5
1978[2/]	859	1,739	3,465	40,118	33,563	19,644	20,794	9,900	30,694	12.5
1979	975	2,746	4,642	45,304	37,069	22,349	23,206	11,028	34,234	16.0
1980[1/]	1,089	1,957	4,032	50,040	41,403	25,739	25,889	11,850	37,739	11.8
1980[2/]	1,050	1,731	3,721	44,866	39,534	24,391	23,873	10,365	34,238	11.6
1980[3/]	1,057E	1,743E	3,769	45,894	40,361	24,800	24,396	10,585	34,981	11.5
1981[1/]	1,161	1,947	4,200	50,706	44,942	27,747	26,452	11,633	38,085	11.7
1981[2/]	1,126	1,984	4,251	50,912	45,122	27,881	26,558	11,705	38,263	11.7
1982	1,104	355	2,735	52,915	48,235	29,711	26,705	13,149	39,854	5.5
1983[1/]	1,139	1,197	3,842	56,126	51,692	32,208	27,509	13,946	41,455	8.5
1983[2/]	1,137	1,191	3,798	54,821	50,957	31,826	27,219	13,565	40,784	8.5
1984	1,217	1,798	4,596	58,520	53,882	34,563	28,160	13,802	41,962	10.7
1985[1/]	1,242	1,649	4,756	62,613	60,485	38,881	29,780	15,262	45,042	9.7
1985[2/]	1,240	1,640	4,739	62,505	60,341	38,835	29,694	15,262	44,956	9.7
1986[1/]	1,361	1,932	5,322	69,132	64,902	42,339	31,254	18,920	50,174	10.5
1986[2/4/]	1,300	1,924	5,313	69,082	64,902	42,339	31,221	18,906	50,127	10.5

See Page 62 for footnotes
Net Cash Flow=Retained Earnings plus Depreciation

TABLE XXXIA

WHOLESALE AND PRODUCERS PRICE INDEXES
FOR SELECTED SUBGROUPS AND CLASSES OF
WOOD PULP, PAPER, PAPERBOARD AND CONVERTED PRODUCTS

1979 - 1986

(Index 1967 = 100)

	1981 BLS Price Codes	1979	1980	1981	1982	1983	1984	1985	1986
PULP, PAPER & ALLIED PRODUCTS	09	219.0	249.2	273.8	288.7	298.1	318.5	327.2	335.3
PULP, PAPER & PRODUCTS, exc.									
Building Paper & Board	091	220.2	250.6	270.8	273.2	271.4	293.3	292.0	293.6
Wood Pulp Sub-Group	0911	314.3	380.3	397.1	379.0	346.9	397.6	344.6	358.8
Paper Making Wood Pulp	091102	215.1	263.5	272.6	254.3	228.3	269.7	224.2	243.1
Sulphate, Bleached	09110211	308.4	378.6	395.7	375.0	332.5	416.2	334.8	367.7
Sulphite, Bleached	09110221	336.3	420.6	431.4	405.6	331.9	N.A.	N.A.	N.A.
Bleached Sulphate Hardwood Pulp	09110212	197.5	240.2	241.9	208.6	214.5E	230.4	192.7	200.4
Dissolving Wood Pulp	091103	197.9	229.9	247.8	254.2	244.2	247.8	246.0	264.6
Waste Paper Sub-Group	0912	206.6	208.7	175.7	122.8##	201.2##	240.1	168.8	172.8
No. 1 News	09120102	151.8	167.4	95.7	72.1#	N.A.	193.1	150.2	137.9
No. 1 Mixed	09120205	204.3	221.7	189.8	142.7#	N.A.	244.7	208.2	182.4
Old Corrugated Boxes	09120311	278.4	192.0	136.9	94.6#	N.A.	300.3	144.4	175.1
Semichemical Kraft Clippings	09120415	335.4	325.7	277.7	184.1#	N.A.	317.4	258.8	298.8
Mixed Kraft Clippings	09120521	384.4	371.4	313.5	221.4#	N.A.	N.A.	N.A.	N.A.
White News Blanks	09120625	186.3	217.2	206.8	144.2#	N.A.	225.4	130.2	152.9
Paper Sub-Group	0913	229.6	256.8	279.8	286.3	282.0	302.9	303.4	306.3
Paper, except Newsprint	091301	222.8	240.3	271.1*	278.3*	276.9*	301.1*	298.8*	300.2
Printing Paper, Ctd. 2 Sides, Other Grades	09130116	(Index June 1981=100)		--	104.2	105.3	117.0	122.9	121.0
Printing Paper, Ctd. 1 Side	09130117	(Index June 1981=100)		--	109.8	111.5	118.8	121.1	122.1
Book Paper, Uncoated Offset	09130122	214.1	238.9	266.3	247.3	270.6	299.8	275.7	278.8
Wood Bond, Unwatermarked	09130131	182.1	203.5	220.2	224.7	225.3	233.3	229.1	229.4
Form Bond, 15 lb.	09130134	126.1	142.3	154.7	151.5	148.0	163.6	142.4	142.3
25% Cotton Fiber	09130141	203.7	230.0	248.1	261.2	265.7	293.6	297.4	305.6
Thin Paper	09130142	(Index June 1981=100)		--	107.2	107.7	123.3	124.1	119.9
Cover & Text	09130148	(Index June 1981=100)		--	105.8	108.1	117.4	118.6	122.2
Uncoated Body Stock	09130149	(Index June 1981=100)		--	97.8	95.5	105.4	102.8	100.6
Coated Printing Paper #3	09130113	167.2	178.6	193.0	202.9	206.4	224.3	234.5	233.8
Coated Printing Paper #5	09130115	194.5	217.7	235.3	238.9	231.0	267.8	292.5	277.5
Watermarked Bond #1	09130132	137.4	150.4	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Form Bond, 12 lbs.	09130133	187.8	209.7	226.3	217.7E	202.6E	N.A.	N.A.	N.A.
Uncoated Index Bristol	09130147	166.6	191.3	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Newsprint Class	09130291	250.2	279.3	308.0	315.8	303.0	323.1	332.5	329.1
Packaging and Industrial Converting	091303	(Index June 1981=100)		--	98.6	98.1	103.9	102.8	105.4
Wrapping Paper	09130302	243.6	264.3	N.A.	313.2E	315.8	331.7	333.9	335.3
Shipping Sack, Unbleached Kraft	09130304	178.3	199.6	220.4	214.8	226.8	240.8	219.3	219.7
Standard Converting, Unbleached Kraft	09130311,2	167.0	191.3	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Other Converting, 18 lb & Over, Unbleached Kraft	09130311	(Index June 1981=100)		--	99.8	97.7	105.0	102.4	102.6
Other Converting, 18 lb. & Over, Exc. Unbleached Kraft	09130312	(Index June 1981=100)		--	100.8	99.8	104.2	104.2	105.1
Grocery Sack, Unbleached Kraft	09130307	179.6	210.6	223.9	200.3	206.1	227.2	218.3	221.8
Special Industrial Paper	091304	(Index June 1981=100)		--	104.2	102.9	110.3	108.1	109.9
Paperboard Sub-Group	0914	202.1	234.6	258.1	254.9	250.9	281.5	274.9	271.6
Containerboard Class	091401	197.8	231.1	252.5	246.1	N.A.	N.A.	N.A.	N.A.
Linerboard, 42 lb. Kraft	09140101	196.4	231.0	251.8	247.0	105.0#S	122.4	116.5	117.9
Corrugating Medium, Semichem.	09140111	203.8	233.2	254.9	245.2	103.8#S	121.3	117.7	118.0
Folding Boxboard Class	091402	199.4	229.2	249.5	250.2	N.A.	N.A.	N.A.	N.A.
White Clay Coated, 80 Bright	09140225	124.8	141.6	154.4	149.7	N.A.	N.A.	N.A.	N.A.
Set-Up Boxboard Class	091403	234.5	274.6	294.0	300.4	N.A.	N.A.	N.A.	N.A.
Chipboard	09140332	233.1	272.9	292.2	298.5	101.7#S	109.2	108.5	110.7
Bleached Board Fldg. Carton	09140441	134.4	152.6	176.1	177.7	100.8#S	107.7	108.1	104.1
Uncoated Cup Stock	09140442	135.5	156.4	178.8	184.8	N.A.	N.A.	N.A.	N.A.
Tube, Can and Drum Stock	09140448	117.0	133.4	143.4	145.3	N.A.	N.A.	N.A.	N.A.
Converted Products Sub-Group	0915	209.9	238.5	258.8	264.4	265.3	281.2	280.8	280.2
Sanitary Paper, etc.	091501	279.9	325.0	347.3	353.7	361.0	385.6	377.1	387.3
Paper Bags, Shipping Sacks	091502	220.4	246.4	N.A.	263.3	260.6	290.9	294.7	307.9
Boxes, Shipping Containers	091503	197.6	223.2	243.9	249.6	248.4	264.3	271.7	268.1
Gummed Sealing Tape	09150431	205.5	246.7	260.9	267.7	263.1	272.8	277.6	278.6
Office Supplies	091506	178.6	198.7	214.6	224.6	227.4	241.4	238.7	238.6
Composite Cans	091507	226.4	253.3	272.6	298.4	317.7	330.3	342.1	341.4
Building Paper and Board Sub-Group	092	182.4	206.2	231.7	239.5	250.0	259.0	257.2	260.7
Publications, Pr. Matter & Prtg.	093	(Index Dec. 1980 = 100)		108.2	118.4	125.9	133.5	140.5	145.9
All Commodities		235.6	268.8	293.4	299.3	303.1	310.3	308.9	299.8
Industrial Commodities		236.5	274.8	304.1	312.3	315.7	322.6	324.0	312.3

* Also excludes packaging paper E - Estimate N.A. - Not Available # - January-September average
RS - Revised Series, December 1982 = 100. Definitions not fully consistent with earlier ones. ## - July-December average
SOURCE: Bureau of Labor Statistics, U.S. Department of Labor, Washington, DC

TABLE XXXIB

WHOLESALE AND PRODUCERS PRICE INDEXES
FOR SELECTED SUBGROUPS AND PRODUCTS OF THE
PAPER AND ALLIED PRODUCTS INDUSTRIES

1982 - 1986

	Product Codes	Index Base	1982	1983	1984	1985	1986
Paper and Allied Products	26	12/84	N.A.	N.A.	100.0	98.8	99.5
Pulp Mills	2611	12/82	100.0	98.8	112.0	100.9	103.1
Primary products	2611-P	12/82	100.0	100.2	114.1	99.8	103.9
Special Alpha and Dissolving Woodpulp	2611-1	12/82	100.0	99.1	100.6	99.8	99.2
Other Pulp, Including Pulpmill Byproducts, Except Tall Oil	2611-2	12/82	100.0	100.8	120.9	99.9	106.2
Woodpulp	2611-21	12/82	100.0	100.6	120.4	97.9	105.4
Bleached Sulfate Woodpulp, Softwood	2611-21331	12/82	100.0	98.2	120.0	97.1	106.0
Bleached Sulfate Woodpulp Hardwood	2611-21335	12/82	100.0	N.A.	125.3	104.8	109.0
Groundwood Pulp	2611-216	12/82	100.0	N.A.	123.3	123.1	118.8
Paper Mill Products Except Building Paper	2621	6/81	103.0	102.6	110.0	109.5	110.4
Primary Products	2621-P	6/81	103.0	102.5	110.3	109.9	110.9
Tissue Paper Stock and Other Machine Creped Paper Stock	2621-A	6/81	105.2	105.9	110.4	112.4	115.2
Sanitary Paper Stock	2621-A1	6/81	105.2	105.8	110.4	112.1	114.4
Newsprint	2621-1	6/81	104.6	100.3	107.0	110.1	108.0
Groundwood Paper, Uncoated	2621-2	6/81	104.9	101.7	106.9	108.3	108.7
Publication and Printing	2621-211	6/81	104.7	100.7	106.2	107.8	108.1
Clay Coated Printing and Converting Paper	2621-3	6/81	104.8	105.5	117.1	123.6	121.3
Coated Two Sides, Except Prime-Coated Body Stock for Further Coating	2621-331	6/81	103.8	104.2	116.5	123.5	120.9
No. 3 Grade	2621-33111	6/81	106.0	107.8	117.2	122.6	122.7
No. 5 Grade	2621-33121	6/81	101.2	97.9	113.5	123.9	117.6
Other Grades	2621-33131	6/81	104.2	105.5	117.3	123.5	121.7
Book Paper, Uncoated Free Sheet	2621-4	6/81	101.0	99.5	107.4	100.6	102.1
Writing, Chemical Woodpulp	2621-421	6/81	99.4	97.9	106.3	98.1	99.5
Unwatermarked Bond, No. 4 Grade	2621-42111	6/81	102.3	102.6	106.2	104.3	104.5
Other Bond, Except Form Bond	2621-42133	6/81	102.0	102.0	109.9	108.3	110.1
Form Bond, 15 Pound	2621-42155	6/81	98.8	96.5	106.7	92.8	92.6
Other Form Bond	2621-42166	6/81	103.7	101.4	110.5	96.6	99.6
Other Chemical Woodpulp Writing Paper	2621-42177	6/81	94.9	94.2	106.5	95.8	98.7
Publication and Printing	2621-441	6/81	103.1	100.7	107.7	102.2	103.3
Offset	2621-44122	6/81	102.4	101.0	108.2	102.9	104.1
Other Book Printing	2621-44133	6/81	103.7	101.1	107.1	101.4	102.5
Cover Text	2621-465	6/81	105.8	108.1	117.5	118.6	122.2
Cotton Fiber Paper and Thin Paper	2621-6	6/81	106.9	107.9	115.3	117.6	121.3
Writing, Cotton Fiber Including Cotton Fiber Index	2621-611	6/81	106.4	108.2	119.6	121.1	124.5
Thin Paper	2621-671	6/81	107.2	107.7	113.3	116.1	119.9
Packaging and Industrial Converting Paper, Unbleached Kraft	2621-7	6/81	95.6	95.2	105.0	100.2	102.1
Shipping Sack	2621-731	6/81	95.4	100.9	107.3	97.7	97.9
Bag and Sack, Other Than Shipping Sack	2621-851	6/81	91.9	88.9	100.2	96.3	97.9
Other Converting, 18 Pounds and Over	2621-761	6/81	99.8	97.7	105.0	102.0	102.4
Packaging and Industrial Converting Paper, Except Unbl. Kraft	2621-8	6/81	102.9	103.8	110.2	111.1	115.6
Wrapping	2621-811	6/81	N.A.	105.8	111.1	111.9	112.3
Bag and Sack, Other Than Shipping Sack	2621-851	6/81	101.5	101.1	107.7	109.2	110.2
Other Converting, 18 Pounds and Over	2621-861	6/81	100.8	99.8	104.2	104.0	105.1
Glassine, Greaseproof, and Vegetable Parchment	2621-881	6/81	103.1	105.5	114.8	115.2	127.0
Special Industrial Paper	2621-9	6/81	104.2	102.9	110.3	108.1	109.9
Paperboard Mills	2631	12/82	100.0	103.0	116.3	112.0	113.1
Primary Products	2631-P	12/82	100.0	102.9	115.2	112.2	111.3
Unbleached Kraft Packaging and Industrial Converting Paperboard	2631-1	12/82	100.0	104.5	121.2	116.3	115.6
Unbleached Linerboard	2631-111	12/82	100.0	105.0	122.4	116.5	116.3
42 Pound Kraft Linerboard	2631-11101	12/82	100.0	105.0	122.6	119.9	117.9
Other Unbleached Linerboard	2631-11102	12/82	100.0	105.0	122.2	114.6	115.4
Other Unbl. Kraft Packaging and Ind. Conv. Paperboard	2631-121	12/82	100.0	100.8	110.9	114.5	109.6
Bleached Packaging and Industrial Converting Paperboard	2631-2	12/82	100.0	100.8	107.7	108.1	106.9
Linerboard	2631-211	12/82	100.0	100.2	117.4	111.4	111.7
Folding Carton-Type Board	2631-241	12/82	100.0	100.3	107.5	105.9	104.1
Other Solid Bleached Board.	2631-284	12/82	100.0	99.6	113.1	113.5	113.6
Corrugating Medium (Semi-Chemical).	2631-321	12/82	100.0	103.8	121.4	112.7	110.0
Recycled Paperboard	2631-4	12/82	100.0	101.7	109.2	108.5	107.7
Linerboard (Less Than 80% Virgin Fiber)	2631-411	12/82	100.0	100.9	117.4	110.6	107.1
Corrugating Medium (Less Than 75% Virgin Fiber)	2631-421	12/82	100.0	105.2	126.2	121.8	119.4
Container Chip and Filler Board	2631-431	12/82	100.0	104.4	113.3	108.9	108.7
Folding Carton: Unlined Chipboard	2631-443	12/82	100.0	101.6	111.7	N.A.	110.7
Folding Carton: White Lined	2631-445	12/82	100.0	N.A.	N.A.	107.9	106.7
Folding Carton: Clay-Coated	2631-446	12/82	100.0	99.3	99.3	98.6	98.1
Tube, Can and Drum Paperboard	2631-481	12/82	100.0	103.4	111.9	112.8	112.9
Other Recycled Paperboard	2631-487	12/82	100.0	101.3	104.7	105.5	106.2
Secondary Products	2631-5	12/82	100.0	103.2	122.0	111.1	121.7
Converted Paper and Paperboard Products, Except Containers & Boxes.	264	12/84	N.A.	N.A.	100.0	100.3	101.8
Paperboard Containers and Boxes	265	12/84	N.A.	N.A.	100.0	98.4	97.3

SOURCE: Annual Supplement to Producer Prices and Price Indexes, Table 3, Bureau of Labor Statistics, U.S. Department of Labor, Washington, D.C. N.A. - Not Available

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TABLE XXXII

GENERAL STATISTICS FOR THE PAPER AND ALLIED PRODUCTS INDUSTRY

1985

CODE	INDUSTRY GROUP & INDUSTRY	All Employees		Production Workers			Value Added by Manufacture	Cost of Materials	Value of Industry Shipments	Capital Expenditures	End-of-Year Inventories
		Number (000)	Payroll ($ Mil.)	Number (000)	Man-Hours (Mil.)	Wages ($ Mil.)	($ Mil.)	($ Mil.)	($ Mil.)	($ Mil.)	($ Mil.)
26	PAPER AND ALLIED PRODUCTS	604.1	15,350.8	462.1	943.5	10,783.4	40,297.3	53,039.0	93,414.4	6,276.1	9,858.8
2611	Pulp Mills	16.3	555.4	12.4	25.5	413.0	1,133.1	2,095.0	3,228.0	745.0	453.1
2621	Paper Mills, exc. Bldg. Paper	131.8	4,259.4	101.5	212.0	3,181.8	11,074.4	13,929.7	24,980.1	2,484.3	2,512.8
2631	Paperboard Mills	53.9	1,668.4	41.1	86.5	1,241.3	4,299.6	6,171.7	10,494.0	1,043.4	815.3
264	Misc.Converted Paper Products	210.9	4,668.8	161.3	326.2	3,148.1	14,832.5	16,734.4	31,545.0	1,218.5	3,553.2
2641	Paper Coating and Glazing	41.9	1,059.7	29.2	61.7	626.8	3,008.3	3,894.5	6,893.4	288.6	890.4
2642	Envelopes	24.0	503.4	18.6	39.0	343.4	991.6	1,164.3	2,147.4	74.1	251.0
2643	Bags, except Textile Bags	48.4	973.1	38.6	78.2	683.1	2,485.4	3,282.9	5,784.9	214.8	721.2
2645	Die-Cut Paper and Board	16.9	302.2	13.6	25.8	204.6	677.9	1,052.9	1,730.3	35.0	232.7
2646	Pressed and Molded Pulp Goods	2.9	62.6	2.3	4.7	49.2	139.9	114.4	257.5	9.2	30.8
2647	Sanitary Paper Products	38.0	1,045.7	30.0	61.1	785.7	5,630.3	5,132.2	10,751.3	486.7	683.1
2648	Stationery Products	12.4	228.3	9.7	18.4	151.5	491.0	620.7	1,101.5	48.9	242.9
2649	Converted Paper Products, NEC	26.4	493.8	19.3	37.3	303.8	1,408.1	1,472.5	2,878.7	61.2	501.1
265	Paperboard Containers and Boxes	187.5	4,106.2	142.8	286.8	2,726.2	8,827.9	13,855.4	22,697.1	763.7	2,477.5
2651	Folding Paperboard Boxes	43.5	969.9	34.6	70.5	689.5	1,960.4	2,460.5	4,413.8	153.6	687.7
2652	Set-Up Paperboard Boxes	9.2	126.8	7.7	15.1	86.3	244.0	230.4	479.0	16.8	61.9
2653	Corrugated, Solid Fiber Boxes	97.9	2,231.8	71.1	142.3	1,390.2	4,565.1	8,501.0	13,092.9	420.3	1,117.1
2654	Sanitary Food Containers	23.4	492.9	18.4	37.2	351.4	1,424.9	1,603.3	3,014.7	112.5	449.7
2655	Fiber Cans,Drums,Similar Prod.	13.5	284.8	11.0	21.8	208.8	633.5	1,060.2	1,696.7	60.5	161.1
2661	Building Paper and Board Mills	3.7	92.6	3.0	6.5	73.0	219.8	252.8	470.3	21.2	46.9

1984

CODE	INDUSTRY GROUP & INDUSTRY	All Employees		Production Workers			Value Added by Manufacture	Cost of Materials	Value of Industry Shipments	Capital Expenditures	End-of-Year Inventories
		Number (000)	Payroll ($ Mil.)	Number (000)	Man-Hours (Mil.)	Wages ($ Mil.)	($ Mil.)	($ Mil.)	($ Mil.)	($ Mil.)	($ Mil.)
26	PAPER AND ALLIED PRODUCTS	612.9	14,883.9	468.1	961.5	10,515.8	40,884.7	54,504.1	94,814.0	5,301.6	10,080.1
2611	Pulp Mills	16.8	549.0	12.9	26.5	411.8	1,599.4	2,267.3	3,841.1	600.4	479.2
2621	Paper Mills, exc. Bldg. Paper	129.5	4,021.6	100.6	214.7	3,032.9	11,165.7	14,162.5	25,195.0	2,412.4	2,447.5
2631	Paperboard Mills	55.7	1,677.6	42.5	90.0	1,272.2	5,238.5	6,708.7	11,880.6	680.2	848.3
264	Misc.Converted Paper Products	217.0	4,514.9	165.0	330.9	3,051.7	14,063.8	16,966.4	30,794.2	906.0	3,540.5
2641	Paper Coating and Glazing	42.0	973.8	28.5	59.6	584.2	2,745.9	3,629.7	6,300.5	196.5	845.2
2642	Envelopes	25.1	504.4	19.7	40.5	342.4	1,016.5	1,166.1	2,169.3	63.5	254.4
2643	Bags,-except Textile Bags	49.1	931.4	38.9	78.0	652.8	2,332.8	3,402.0	5,697.8	174.2	757.7
2645	Die-Cut Paper and Board	17.5	300.4	14.1	27.1	198.6	838.0	1,119.0	1,931.3	46.7	226.5
2646	Pressed and Molded Pulp Goods	3.0	68.1	2.5	5.0	53.4	128.2	111.6	235.6	7.4	33.9
2647	Sanitary Paper Products	38.1	1,003.4	30.0	60.4	754.0	4,992.9	5,351.6	10,326.8	312.8	674.4
2648	Stationery Products	13.6	232.7	10.3	20.1	154.3	486.3	701.5	1,172.8	42.2	234.7
2649	Converted Paper Products, NEC	28.6	500.6	21.0	40.2	312.1	1,523.3	1,484.8	2,960.1	62.7	513.6
265	Paperboard Containers and Boxes	190.1	4,032.9	144.0	293.1	2,678.0	8,622.4	14,123.6	22,635.1	681.4	2,717.3
2651	Folding Paperboard Boxes	45.2	984.5	35.6	73.4	693.3	1,969.5	2,498.9	4,421.4	131.4	716.1
2652	Set-Up Paperboard Boxes	9.3	131.6	7.7	15.7	88.7	268.3	199.5	466.1	18.0	67.8
2653	Corrugated, Solid Fiber Boxes	98.9	2,185.3	71.5	145.2	1,371.9	4,461.3	8,696.6	13,110.6	426.2	1,325.3
2654	Sanitary Food Containers	22.8	451.4	17.8	36.2	316.6	1,291.9	1,663.5	2,944.9	64.6	438.4
2655	Fiber Cans,Drums,Similar Prod.	13.9	280.1	11.4	22.7	207.4	631.3	1,065.1	1,692.2	41.1	169.7
2661	Building Paper and Board Mills	3.7	88.0	3.1	6.3	69.2	194.8	275.7	468.0	21.1	47.3

SOURCE: 1985 Survey of Manufactures
1984 Census of Manufacturers
* - Data for Inventories and Value Added suppressed in preliminary Census report

SECTION V

SUPPLEMENT

Tables XXXII and XXXIII present data on production, imports, exports and new supply of wet machine board and total construction paper and board, for the years 1947 through 1986. The production data for 1982-1986 are API estimates; all the other data are drawn from Bureau of the Census reports.

These data are included in the production and new supply totals shown in Tables I and X. API does not collect data on these grades.

Table XXXIV presents the data on imports used in computing the new supply total presented in Table X that were taken from sources other than Bureau of the Census. The Printing-Writing Paper Division of the API has expanded its estimates of imports and exports to include thin papers, bleached bristols and cotton fiber papers. The import and export data that they compiled for the period 1978 through 1986 are presented in these tables. In some instances, these data are the same as the Census data. The bleached bristol figures for imports include coated bleached bristols, which are included as products in the Census data of Table XIII.

Table XXXV presents similar data on exports. The Census data are presented in Table XIV.

Table XXXVII shows the state data on the paper and allied products industry for 1984, as published by the Bureau of Census. This table was not available when the 1986 edition of the Statistics of Paperboard and Woodpulp was published.

This section also includes the index to this report.

TABLE XXXIII

WET MACHINE BOARD PRODUCTION, IMPORTS, EXPORTS AND CONSUMPTION

CENSUS DATA

1947 - 1986

(In Tons of 2,000 Pounds)

YEAR	Production	Imports	Exports	New Supply
1947	149,800	-	-	150,000
1948	142,134	-	-	142,000
1949	129,761	1,240	2,615	128,386
1950	164,611	2,136	3,266	163,481
1951	150,559	3,144	3,876	149,827
1952	140,175	2,242	3,318	139,099
1953	156,496	2,872	3,698	155,670
1954	135,910	3,349	3,420	135,839
1955	178,687	4,211	3,727	179,171
1956	146,589	3,492	3,998	146,083
1957	137,998	3,289	4,188	137,099
1958	121,103	4,566	3,884	121,785
1959	144,807	5,214	3,566	146,455
1960	174,992	4,517	2,791	176,718
1961	155,205	3,668	3,516	155,357
1962	145,625	4,905	5,312	145,218
1963	140,669	2,925	4,412	139,182
1964	147,880	10,403	4,884	153,399
1965	143,872	10,306	4,139	150,039
1966	148,098	5,537	4,811	148,824
1967	143,984	8,636	5,218	147,402
1968	154,794	11,146	4,318	161,622
1969	147,671	9,073	3,842	152,902
1970	139,055	9,308	4,614	143,749
1971	137,825	6,198	4,383	139,640
1972	147,914	4,204	5,642	146,476
1973	148,892	6,883	7,495	148,280
1974	143,862	5,899	11,287	138,474
1975	115,169	3,814	6,136	112,847
1976	129,955	6,988	6,617	130,326
1977	128,627	3,608	8,051	124,184
1978	136,337	2,614	7,554	131,397
1979	144,059	2,345	7,371	139,033
1980	137,649	2,118	8,017	131,750
1981	160,293	1,684	10,812	151,165
1982	129,000E	1,842	11,089	120,000E
1983	140,000E	3,584	11,624	132,000E
1984	140,000E	2,826	13,782	129,000E
1985	140,000E	3,270	13,380	130,000E
1986	140,000E	3,235	18,893	124,000E

SOURCE: Production - Department of Commerce, Bureau of the Census, Industry Division.
Current Industrial Reports: Pulp, Paper and Board, Annual Issues
Imports and Exports: Foreign Trade Division, Department of Commerce
E - Estimated

TABLE XXXIV

CONSTRUCTION PAPER AND BOARD PRODUCTION, IMPORTS, EXPORTS AND CONSUMPTION

CENSUS DATA

1947 - 1986

(In Tons of 2,000 Pounds)

YEAR	Production	Imports	Exports	New Supply
1947	2,047,763	32,923	35,406	2,045,280
1948	2,227,217	30,695	23,277	2,234,635
1949	1,773,573	22,541	28,090	1,768,024
1950	2,263,617	30,677	24,019	2,270,275
1951	2,303,538	29,057	30,223	2,302,372
1952	2,197,763	27,545	24,343	2,200,965
1953	2,322,275	26,177	25,871	2,322,581
1954	2,436,002	21,228	28,355	2,428,875
1955	2,698,344	28,944	30,580	2,696,708
1956	2,530,407	29,429	33,650	2,526,186
1957	2,317,701	19,040	31,800	2,304,941
1958	2,446,375	23,073	25,613	2,443,825
1959	2,605,831	27,698	28,250	2,606,279
1960	2,507,763	18,090	28,137	2,497,716
1961	2,474,304	11,168	31,430	2,454,042
1962	2,508,987	16,076	27,187	2,497,876
1963	2,591,639	28,851	26,304	2,594,186
1964	2,747,582	44,359	28,539	2,763,402
1965	2,822,203	29,471	29,463	2,822,211
1966	2,649,808	25,945	33,720	2,642,033
1967	2,679,098	26,591	26,539	2,679,150
1968	2,906,986	38,856	33,957	2,911,885
1969	2,955,112	39,362	42,837	2,951,637
1970	2,812,345	48,875	32,843	2,828,377
1971	3,282,908	81,262	37,673	3,326,497
1972	3,444,014	104,385	44,335	3,504,064
1973	3,404,880	105,558	54,385	3,456,053
1974	3,140,084	88,701	66,242	3,162,543
1975	2,864,353	84,363	59,575	2,889,141
1976	3,205,761	93,155	62,206	3,238,710
1977	3,255,141	135,274	50,270	3,340,145
1978	3,339,792	329,594	63,850	3,605,536
1979	3,130,601	382,883	54,642	3,458,842
1980	2,420,112	473,679	57,662	2,836,129
1981	1,989,203	396,496	68,832	2,316,867
1982	1,533,000E	419,515	47,833	1,905,000E
1983	1,660,000E	473,667	55,746	2,078,000E
1984	1,660,000E	496,830	63,890	2,093,000E
1985	1,660,000E	413,196	55,429	2,018,000E
1986	1,660,000E	336,409	75,149	1,921,000E

SOURCE: Production - Department of Commerce, Bureau of the Census, Industry Division.
Current Industrial Reports: Pulp, Paper and Board, Annual Issues
Imports and Exports: Foreign Trade Division, Department of Commerce

NOTE: Excludes Hard Pressed Board
E - Estimated

TABLE XXXV

IMPORTS

1959 - 1986
(000 Tons)

YEAR	Newsprint	Uncoated Groundwood Paper	Coated Papers	Uncoated Free Sheet Papers	Thin Papers	Bleached Bristols	Total Printing/ Writing
1959	5,274	41.5	0	0.2	2	0.3	44.0
1960	5,426	39.5	0	1.8	3	0.5	44.8
1961	5,382	35.9	0	3.4	3	0.5	42.8
1962	5,415	41.5	0	3.8	3	0.4	48.7
1963	5,398	44.2	0	5.3	3	0.5	53.0
1964	5,908	70.6	0	11.2	7	0.5	89.3
1965	6,349	98.1	0.9	10.7	9	0.4	119.1
1966	6,884	132.9	0.9	14.2	11	0.3	159.3
1967	6,546	147.5	1.4	34.7	13	0.5	197.1
1968	6,391	136.8	1.3	13.4	12	0.3	163.8
1969	6,724	216.9	3.3	15.4	10	0.4	246.0
1970	6,477	232.9	3.5	48.9	8	0.4	293.7
1971	6,463	244.2	4.7	108.5	7	0.5	364.9
1972	6,758	225.1	4.5	93.3	6	0.5	329.4
1973	7,236	237.1	12.3	120.2	15	1.0	385.6
1974	7,452	321.3	16.3	138.9	18	3.5	498.0
1975	5,552	264.0	4.7	86.9	9	0.7	374.3
1976	6,308	338.1	15.5	133.9	12	0.6	500.1
1977	6,339	443.2	111.6	155.3	13	17.0#	740.1
1978	7,102	610.7	213.7	112.7	7.3	15.9	959.7
1979	7,168	694.9	188.7	141.7	14.9	16.2	1,053.8
1980	6,880	688.1	114.8	119.0	6.3	14.2	941.3
1981	6,725	650.0	39.0	119.5	12.0	7.9	827.5
1982	6,214	652.8	69.1	157.0	11.3	14.6	904.4
1983	6,725	920.4	162.4	222.8	20.3	19.7	1,345.1
1984	7,489	1,298.1	428.4	459.0	46.4	24.1	2,255.3
1985	7,724	1,386.9	496.2	379.3	23.7	22.5	2,308.6
1986	7,756	1,527.3	501.2	476.2	45.4	28.3	2,578.4

SOURCE: Newsprint - Canadian Shipments to U.S., CPPA; Other Country Imports to U.S., U.S. Bureau of Census
Uncoated Groundwood - Imports from Canada, CPPA
Imports from other countries, Bureau of the Census, adjusted by Printing/Writing Division of API
Uncoated Free Sheet Papers - Bureau of the Census, adjusted by Printing/Writing Division of API
Coated Papers - Bureau of the Census

NOTE: Imports used to compute new supply for Table X.

Series revised to include cut size paper.

TABLE XXXVI

EXPORTS

1959 - 1986
(000 Tons)

YEAR	Uncoated Groundwood Papers	Coated Papers	Uncoated Free Shee Papers	Thin Papers*	Cotton Fiber Papers	Bleached Bristols	Total Printing/ Writing	Unbleached Kraft Paperboard	Semichem. Paperboard	Bleached Paperboard	Recycled Paperboard
1959	4.6	25.6	44.8		13	0	88.8	329.0	21.0	17.0	40.0
1960	8.6	26.1	38.2		15	0.8	89.0	381.0	31.0	23.0	46.0
1961	10.2	21.7	34.6		15	0.9	82.5	407.0	62.0	32.0	60.0
1962	9.1	24.3	31.3		15	1.3	80.6	445.0	44.0	33.0	55.0
1963	11.1	27.1	30.1		14	1.7	83.8	517.0	83.0	39.0	53.0
1964	13.1	36.6	34.4		16	1.9	102.3	765.0	107.0	45.0	71.0
1965	3.2	48.5	29.0		29	0	110.0	905.0	55.0	47.0	32.0
1966	3.8	49.6	30.6		32	0	115.6	1,016.0	64.0	59.0	27.0
1967	4.4	46.8	27.3		31	0	109.3	1,174.0	76.0	61.0	23.0
1968	7.9	57.1	31.9		47	0	144.0	1,380.7	94.0	108.5	12.8
1969	6.1	70.0	35.3		56	0	167.4	1,682.8	52.4	108.1	16.8
1970	7.3	75.2	41.3		58	0	181.8	1,683.4	84.3	114.4	17.3
1971	9.9	72.2	46.2		74	0	202.3	1,834.3	104.0	156.5	20.6
1972	17.6	76.2	50.6		68	0	212.4	1,887.5	111.7	217.8	14.4
1973	29.7	80.6	64.9		87	0	262.2	1,596.7	107.4	280.3	30.8
1974	53.3	98.8	100.4		106	0	358.5	1,582.7	145.5	320.2	101.0
1975	74.7	122.8	119.8		80	0	397.3	1,058.0	115.4	256.2	23.9
1976	70.6	106.7	147.3		102	0	426.6	1,247.3	119.3	306.1	36.5
1977	54.1	98.9	111.4		76	0	340.4	1,289.6	121.9	389.4	29.6
1978	58.1	73.7	84.9	26.5	12.2	10.7	266.4	1,466.3	119.2	432.9	21.6
1979	80.4	73.5	68.1	32.4	10.9	9.2	274.2	1,645.3	98.2	496.7	21.8
1980	101.0	92.8	88.3	33.8	16.6	8.8	341.3	2,379.8	322.3	549.4	82.6
1981	119.7	88.6	116.7	42.7	9.2	6.4	383.3	1,886.6	155.2	556.6	23.8
1982	55.9	81.4	70.6	27.7	6.6	4.4	246.6	1,931.4	184.9	524.7	12.7
1983	37.5	79.2	59.3	17.6	4.8	3.7	202.1	2,280.7	192.6	514.5	24.3
1984	30.2	85.6	65.5	14.0	5.0	3.0	203.3	2,086.4	149.2	478.3	17.4
1985	36.7	82.5	64.4	13.3	4.3	1.4	202.6	1,830.0	189.4	465.6	26.3
1986	40.9	78.0	50.0	14.5	4.5	2.4	190.3	2,078.5	211.5	512.7	24.6

SOURCE: Paper Grades - Bureau of the Census; Printing/Writing Paper Division compilation
Paperboard Grades - 1959-1967 - Bureau of the Census
1968-1986 - American Paper Institute (See Table VII)

NOTE: Exports used to compute new supply for Table X.

* - 1959-1977 included in Cotton Fiber

TABLE XXXVII

PAPER AND ALLIED PRODUCTS - 1984 DATA

	Number of All Employees (000)	Total Payroll ($000,000)	Number of Production Workers (000)	Wages of Production Workers	Value Added by Manufacture	Value of Shipments	Capital Expenditures
				Million Dollars			
NORTHEAST	**168.2**	**3,771.1**	**126.9**	**2,556.7**	**9,715.7**	**21,740.1**	**865.5**
New England	**62.8**	**1,483.1**	**47.8**	**1,021.5**	**3,867.2**	**8,551.8**	**379.6**
Maine	17.6	525.5	14.0	394.9	1,378.4	3,236.1	190.9
New Hampshire	6.3	147.2	4.6	89.1	413.1	888.5	43.4
Vermont	2.4	49.1	1.9	37.4	182.0	378.3	12.4
Massachusetts	26.6	557.1	19.4	357.5	1,306.0	2,808.3	77.6
Rhode Island	2.2	34.2	1.7	21.8	78.4	156.2	2.0
Connecticut	7.7	170.0	6.2	120.8	509.3	1,084.4	53.3
Middle Atlantic	**105.4**	**2,288.0**	**79.1**	**1,535.2**	**5,848.5**	**13,188.3**	**485.9**
New York	39.5	839.5	30.6	575.7	1,911.2	4,379.0	157.8
New Jersey	27.7	578.5	20.1	357.8	1,318.0	2,950.5	104.4
Pennsylvania	38.2	870.0	28.4	601.7	2,619.3	5,858.8	223.7
NORTH CENTRAL#	**174.7**	**4,204.1**	**133.3**	**2,944.1**	**10,912.4**	**25,399.6**	**1,191.7**
East North Central	**139.8**	**3,413.0**	**105.9**	**2,388.0**	**8,687.8**	**20,497.0**	**1,006.7**
Ohio	31.1	745.7	23.7	534.4	1,618.5	3,950.7	142.0
Indiana	12.5	260.5	9.6	179.7	667.3	1,538.6	38.8
Illinois	34.0	732.0	25.3	463.2	1,751.0	4,017.9	115.6
Michigan	20.4	543.1	15.1	379.1	1,424.4	3,254.7	309.4
Wisconsin	41.8	1,131.7	32.2	831.6	3,226.6	7,735.1	400.9
West North Central#	**34.9**	**791.1**	**27.4**	**556.1**	**2,224.6**	**4,902.6**	**185.0**
Minnesota	12.1	309.4	9.6	221.4	786.5	1,664.7	67.0
Iowa	4.5	101.8	3.5	70.8	260.8	677.7	24.5
Missouri	12.3	260.1	9.6	183.7	794.2	1,747.6	71.1
North Dakota	-	-	-	-	-	-	-
South Dakota	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Nebraska	1.4	26.8	1.1	17.6	49.9	131.8	3.6
Kansas	4.6	93.0	3.6	62.6	333.2	680.8	18.8
SOUTH#	**199.5**	**5,011.4**	**154.1**	**3,636.6**	**14,909.5**	**34,826.0**	**2,374.4**
South Atlantic#	**103.0**	**2,560.4**	**79.4**	**1,829.0**	**7,370.2**	**17,202.5**	**1,282.2**
Delaware	2.8	57.6	1.8	35.0	149.7	584.2	8.3
Maryland	10.1	208.8	7.7	136.6	520.5	1,099.2	92.9
Virginia	14.2	356.6	10.6	244.7	1,122.8	2,282.1	147.6
West Virginia	1.3	23.5	0.9	15.5	58.6	124.3	3.6
North Carolina	19.7	482.5	15.5	349.5	1,270.1	2,914.8	108.7
South Carolina	12.6	341.1	9.8	249.4	1,075.8	2,353.5	498.1
Georgia	28.4	726.4	22.2	531.4	2,232.1	5,355.5	284.9
Florida	13.9	363.9	10.9	266.9	940.6	2,488.9	138.1
East South Central	**49.7**	**1,285.9**	**38.9**	**953.3**	**4,309.1**	**9,184.4**	**686.7**
Kentucky	5.9	134.1	4.6	95.1	420.8	1,028.6	69.6
Tennessee	16.8	376.6	13.0	268.7	1,147.1	2,560.9	157.9
Alabama	19.7	583.3	15.5	444.1	2,190.5	4,316.1	289.7
Mississippi	7.3	191.9	5.8	145.4	550.7	1,278.8	169.5
West South Central	**46.8**	**1,165.1**	**35.8**	**854.3**	**3,230.2**	**8,439.1**	**405.5**
Arkansas	11.6	305.1	9.2	231.4	864.4	2,320.7	113.7
Louisiana	10.6	309.5	8.1	230.6	871.7	2,380.9	182.6
Oklahoma	3.1	76.4	2.4	59.4	243.8	693.3	(D)
Texas	21.5	474.1	16.1	332.9	1,250.3	3,044.2	109.2
WEST#	**68.3**	**1,828.0**	**52.2**	**1,325.0**	**5,215.3**	**12,461.4**	**763.1**
Mountain#	**6.8**	**166.1**	**5.3**	**118.6**	**427.0**	**1,050.2**	**26.2**
Montana	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Idaho	2.2	58.1	1.8	45.6	154.3	377.3	(D)
Wyoming	-	-	-	-	-	-	-
Colorado	2.0	49.2	1.4	31.8	115.9	275.6	16.6
New Mexico	0.2	2.0	0.1	0.2	8.2	14.5	-
Arizona	1.5	36.9	1.2	26.5	96.3	247.7	(D)
Utah	0.9	19.9	0.8	14.5	52.3	134.1	9.6
Nevada	-	-	-	-	-	-	-
Pacific#	**61.5**	**1,661.9**	**46.9**	**1,206.4**	**4,788.3**	**11,411.2**	**736.9**
Washington	15.6	496.8	12.2	375.6	1,303.7	3,262.8	445.0
Oregon	8.2	257.4	6.3	189.9	921.5	2,038.8	85.3
California	37.4	901.5	28.2	636.9	2,546.1	6,067.8	204.2
Hawaii	0.3	6.2	0.2	4.0	17.0	41.8	2.4
Alaska	(D)	(D)	(D)	(D)	(D)	(D)	(D)
TOTAL REPORTED	**610.7**	**14,814.6**	**466.5**	**10,462.4**	**40,752.9**	**94,427.1**	**5,194.7**
TOTAL U.S.A.	**612.9**	**14,883.9**	**468.1**	**10,515.8**	**40,884.7**	**94,814.0**	**5,301.6**

SOURCE: Annual Survey of Manufacturers, U.S. Department of Commerce - Statistics for Divisions and States - 1984.
(D) - Data withheld to avoid disclosure of individual company data. # - Total Reported.
NOTE: Each state has at least one establishment in the Paper and Allied Products Industry. - No Data Reported.

I N D E X

A — PAGE

AMERICAN PAPER INSTITUTE DATA 1-33,42,43,47-53

ASSET DATA
Paper and Allied Products 62

B

BLEACHED BRISTOLS
Capacity 30,31
New Supply 26-29
New Supply per Billion $ Real GNP 26-29
Exports 36,37
Imports 34,35
Shipments 6-9
Value of Shipments 38

BLEACHED KRAFT PAPER (See Bleached Packaging Papers and Packaging and Industrial Papers except Unbleached Kraft and Other Packaging and Converting Papers)

BLEACHED PACKAGING PAPERS
Shipments 6-9

BLEACHED PAPERBOARD
Capacity 30,31
Capacity, by Census Division 42,43
New Supply 26-29
New Supply per Billion $ Real GNP 26-29
Exports 21,36,37
Production 14,15,22,23,26-29
Value of Shipments 38

BLEACHED SULPHATE WOOD PULP
Capacity 32,33
Capacity, by Census Division 43
Consumption at Paper and Board Mills 53
Exports 36,37
Imports 34,35
Production 52

BLEACHED SULPHITE WOOD PULP
Capacity 32,33
Capacity, by Census Division 43
Consumption 53
Exports 36,37
Imports 34,35
Production 52

BOOK PAPER, UNCOATED
Value of Shipments 38
Imports 34,35
Exports 36

BOXBOARD PRODUCTION 11,14,15,17,19-24

BUILDING PAPER (See Construction Paper)

BUREAU OF CENSUS DATA 34-38,40,41,66,68,69

BUREAU OF LABOR STATISTICS DATA 54-56,64,65

C

CAPACITY
Paper & Paperboard, Total & by Grade 30,31
Paper & Paperboard, by Census Division 42,43
Wood Pulp, Total & by Grade 32,33
Wood Pulp, by Census Division 43

CAPITAL EXPENDITURES 44,58,66
Capital Expenditures for Pollution Abatement Equipment 59

CAPITALIZATION
Paper and Allied Products Industry 63

CENSUS OF MANUFACTURES DATA 66

CHEMICAL WOOD PULP WRITING PAPERS (also Writing and Related Papers)
Exports 36,37
Imports 34,35
Shipments 6-9
Value of Shipments 38

COATED PAPERS (also Uncoated Free Sheet Papers)
Capacity 30,31
New Supply 26-29
New Supply per Billion $ Real GNP 26-29
Exports 36,37
Imports 34,35
Shipments 6-9
Value of Shipments 38

COMBINATION FURNISH PAPERBOARD (Now called Recycled Paperboard)
New Supply 26-29
New Supply per Billion $ Real GNP 26-29
Exports 36,37
Imports 34,35
Production 12,13,22,23,26,29

CONSTRUCTION PAPER
Capacity 30,31
Capacity, by Census Division 43
Exports 36,37
Imports 34,35

CONSTRUCTION PAPER AND BOARD
Capacity 30,31
Capacity, by Census Division 43
New Supply 69
Exports 36,37,69
Imports 34,35,69
Production 69

CONSUMPTION, APPARENT (See New Supply)

CONSUMPTION OF FIBROUS RAW MATERIALS
Pulpwood, Wood Pulp, Recyclable Paper, Other 53
Pulpwood, by State 40,41

CONTAINERBOARD PRODUCTION 12,13,16,18,20

CONVERTED PAPER AND PAPERBOARD PRODUCTS (See Products, Paper and Paperboard)

COTTON FIBER PAPERS
Capacity 30,31
Shipments 6-9

D

DEFIBRATED, EXPLODED, ETC. WOOD PULP
Capacity 32,33
Consump. at Paper & Paperboard Mills 53
Production 52

DISSOLVING AND SPECIAL ALPHA WOOD PULP
Capacity 32,33
Capacity, by Census Division 43
Consump. at Paper & Paperboard Mills 53
Exports 36,37
Imports 34,35
Production 52

DIVIDEND PAYMENTS
Paper and Allied Products Industry 63

E

EARNINGS
- Annual, All Employees and Production Workers 44,66
- Production Workers, Hourly and Weekly 54,55
- Paper and Allied Products, Totals 44,57

EMPLOYEES
- Bureau of Labor Statistics Data 54,55
- Bureau of Census Data 44,66
- GNP Basis 57

ENERGY DATA 47-49

EXPORTS 36,37
- Cotton Pulp and Other Fibers 36,37
- Paper and Paperboard, by Grade 36,37,71
- Paper and Paperboard incl. Products 2,4
- Paperboard 21,23,36,37,71
- Recyclable Paper 36,37,50,51
- Wood Pulp 36,37

F

FEDERAL TRADE COMMISSION DATA 62,63

FIBROUS MATERIALS OTHER THAN WOOD PULP
(See Rags, etc. and Recyclable Paper)

FINANCIAL DATA, PAPER INDUSTRY 62,63

FINE PAPER
(See Chemical Wood Pulp Writing Paper)

FOLDING BOXBOARD
- Production 11,14,17,19,20,22

FOREST SERVICE, DEPARTMENT OF AGRICULTURE
- DATA 60

FREE SHEET PAPERS
- Capacity 30,31
- New Supply 26-29
- New Supply Per Billion $ Real GNP 26-29
- Exports 36,37
- Imports 34,35
- Shipments 6-9

FUEL USE 47-49

G

GLASSINE, GREASEPROOF AND VEGETABLE PARCHMENT
- Exports 36,37
- Imports 34,35
- Production 6-9

GROSS NATIONAL PRODUCT ACCOUNTS
- Paper Industry Data 57
- Real Gross National Product 2,26-29

GROUNDWOOD PAPERS, UNCOATED
- Capacity 30,31
- New Supply 26-29
- New Supply per Billion $ Real GNP 26-29
- Exports 36,37
- Imports 34,35
- Shipments 6-9

GROUNDWOOD WOOD PULP
- Capacity 32,33
- Capacity, by Census Division 43
- Consump. at Paper and Board Mills 53
- Exports 36,37
- Imports 34,35
- Production 52

H

HOURS WORKED, PAPER AND ALLIED PRODUCTS
- Bureau of Labor Statistics, Weekly 54,55
- Bureau of Census, Annual 66

I

IMPORTS
- Paper and Paperboard by Grade 34,35,70
- Paper and Paperboard incl. Products 2,4
- Waste Paper 34,35
- Wood Pulp, by Grade 34,35

INVENTORIES
- PAPER AND ALLIED PRODUCTS (by 4-Digit SIC Code) 66

K

KRAFT PAPER
(See Unbl. Kraft Paper & Bleached Kraft Paper)

KRAFT PAPERBOARD
(See Unbl. Kraft Paperboard & Bleached Kraft Paperboard)

KRAFT WOOD PULP
(See Bleached Kraft Paperboard & Unbleached Kraft Paperboard)

L

LINERBOARD
- Total Kraft Production, Domestic Use 12,20
- Recycled Production, Domestic Use 12,22
- Total Production, Domestic Use 12,16,18,20
- Exports (Unbl. Kraft Paperboard) 21,36,37

LINERBOARD, BLEACHED KRAFT
- Production 14,20,22
- Imports 34,35

LINERBOARD, UNBLEACHED KRAFT
- Capacity, by Census Division 42
- Exports 21,36,37
- Imports 34,35
- Production 12,20

M

MECHANICAL WOOD PULP
(See Groundwood Pulp and Defibrated or Exploded Wood Pulp)

MILK CARTON AND FOOD SERVICE PAPERBOARD
- Production 11,15,17,19,21,23

N

NATIONAL COUNCIL OF THE PAPER INDUSTRY FOR AIR AND STREAM IMPROVEMENT DATA 59

NEWSPRINT
- Capacity 30,31
- Capacity, by Census Division 42
- New Supply 26-29
- New Supply per Billion $ Real GNP 26-29
- Exports 36,37
- Imports 34,35,70
- Production 6-9

NEW SUPPLY
- Paper and Paperboard, Wet Machine Board and Other, Total 2,6-9
- Paper and Paperboard, Total 4
- Paper 26-29
- Paperboard 26-29
- Other Grades (Construction Paper and Board plus Machine Board) 26-29
- Construction Paper and Wet Machine Board, Total 69
- Wet Machine Board 68

O

OTHER PACKAGING AND INDUSTRIAL CONVERTING PAPERS
(See Packaging and Industrial Converting Except Unbleached Kraft)

OUTPUT PER MAN/HOUR, PULP PAPER AND BOARD MILLS 56

P

PACKAGING AND INDUSTRIAL CONVERTING PAPER EXCEPT UNBLEACHED KRAFT
- Capacity 30,31
- New Supply 26-29
- New Supply per Billion $ Real GNP 26-29
- Exports 36,37
- Imports 34,35
- Production 6-9

PACKAGING AND INDUSTRIAL PAPER, TOTAL
- Capacity 30,31
- Capacity, by Census Division 42
- Exports 36,37
- Imports 34,35
- New Supply 26-29
- New Supply per Billion $ Real GNP 26-29
- Production 6-9

PAPER AND ALLIED PRODUCTS
- Capital Expenditures 58,59
- Research and Development Expenditures 59
- Employee Costs 57
- Financial Data 62,63
- General Statistics from Census and Survey of Manufactures 66
- Wholesale and Producers Price Indexes 64,65
- Value of Shipments 38

PAPER AND PAPERBOARD, TOTAL AND BY GRADE
- New Supply 2,4,26-29
- Capacity, by Years 30,31
- Capacity, by Census Division 42,43
- New Supply per Billion $ Real GNP 2,4,26-29
- New Supply per Capita 2
- Exports 36,37
- Imports 34,35
- Production, by Years 2,4,6-9
- Production, by State 40,41
- Value of Shipments 38,66

PAPERBOARD, TOTAL AND BY GRADE
- API Data 10-31
- Capacity, by Years and Grade 26,27
- Capacity, by Census Division 42,43
- New Supply 26-29
- New Supply per Billion $ Real GNP 26-29
- Exports, Census 36,37
- Exports, Production for, API 21,23
- Imports 34,35
- Production, by Years 10,11,21,23
- Production, by State, Census 40,41
- Production, by Region, API 16-19
- Value of Shipments 38,66

PAPER, TOTAL AND BY GRADE
- Capacity 30,31
- Capacity, by Census Division 42
- New Supply 26-29
- New Supply per Billion $ real GNP 26-29
- Exports 36,37
- Imports 34,35
- Production 26-29
- Production by State, Census 40,41
- Shipments, Tons 6-9
- Value of Shipments 38,66

PAPER STOCK (See Waste Paper)

PER CAPITA APPARENT CONSUMPTION (New Supply)
- Paper, Paperboard and Other, Total 2
- Paper and Paperboard, Total 4

PRICE INDEXES, PAPER AND ALLIED PRODUCTS
- Bureau of Labor Statistics
- Producers Price Index 64,65

PRINTING AND WRITING PAPERS
- Capacity, by Years 30,31
- Capacity, by Census Division 42
- Shipments, Total & by Grade 6-9
- Exports, by Grade 36,37
- Imports, by Grade 34,35
- Shipments, Value, by Major Grade 38
- New Supply, API 26-29
- New Supply per Billion $ Real GNP 26-29

PRODUCTION
- Paper, Paperboard and Other, Total 2
- Paper and Paperboard, Total 4
- Paper (incl.some Shipments) 6-9,26-29,40,41
- Paperboard 10-29,40,41
- Wet Machine Board 68
- Construction Paper and Board, Total 69

PRODUCTS, PAPER AND PAPERBOARD
- Establishment Data, by 4-Digit SIC Code 66
- Exports 36,37
- Imports 34,35
- Value of Shipments 38,66

PRODUCTIVITY, PULP, PAPER AND BOARD MILLS 56
- (See Output per Man-Hours, Pulp, Paper and Board Mills)

PROFITS
- Paper and Allied Products Industry 62,63

PULPWOOD CONSUMPTION 53

R

RAGS, STRAW AND OTHER FIBROUS MATERIALS
- Consump. at Paper and Paperboard Mills 53

RAW MATERIALS, FIBROUS
- Consumption 53

RAYON AND SPECIAL CHEMICAL GRADES OF WOOD PULP
- (See Dissolving and Special Alpha Wood Pulp)

RECYCLABLE PAPER
- Consump. at Paper and Board Mills 53
- Exports 36,37,50,51
- Imports 34,35,50,51
- Recovery, by Major Type 51
- Utilization & Recovery, 1970-1981 50

RECYCLED PAPERBOARD
- (See also Combination Furnish Paperboard)
- Capacity 30,31
- Capacity, by Census Division 43
- New Supply 26-29
- New Supply per Billion $ Real GNP 26-29
- Exports 36,37
- Imports (Other Paperboard) 34,35
- Production 11,13,15,17,19,21,26-29

REGIONAL DATA
- Consumption, Pulpwood 40,41
- Production, Paper, Paperboard, Wet Machine Board & Construction Paper and Board 40,41
- Production, Wood Pulp 40,41
- Paper and Allied Products company data 44,72

RESEARCH AND DEVELOPMENT
- Expenditures by Paper and Allied Products Companies 59

RETAINED EARNINGS
- Paper and Allied Products Industry 63

S

SALARIES AND WAGES
- Paper and Allied Products by 4-Digit SIC Classification 66
- Paper and Allied Products, Employee Compensation and Supplements (From GNP Accounts) 57
- Wage Rates (See Earnings, Average, Hourly and Weekly) 54,55

SALES (See also Value of Shipments) 38,62,66

SANITARY PAPER (TISSUE PAPER)
- Capacity 30,31
- Capacity, by Census Division 42
- Primary Prod., Total and by Grade API 6-9
- New Supply 26-29
- New Supply per Billion $ Real GNP 26-29
- Exports 36,37
- Imports 34,35
- Value of Shipments, Primary and Converted Products 38

SEMICHEMICAL PAPERBOARD
- API Data: Production 13,20,21,26-29
- Capacity 30,31
- Capacity, by Census Division 43
- New Supply 26-29
- New Supply per Billion $ Real GNP 26-29
- Exports (See Exp. of Corrug. Med.) 21,36,37
- Imports 34,35

SEMICHEMICAL WOOD PULP
- Capacity 32,33
- Capacity, by Census Division 43
- Consump. at Paper and Board Mills 53
- Production 54

SET-UP BOXBOARD
- Capacity 30,31
- Production 11,17,19,21,23

SET-UP PAPERBOARD BOXES, VALUE OF SHIPMENTS 38

SODA PULP
- Capacity - 1966-1971 30
- Consumption at Paper and Board Mills - 1970 - 1980 53
- Production - 1969-1978 52

SPECIAL INDUSTRIAL PAPERS
- Production 6-9
- Exports 36,37
- Imports 34,35

STATE DATA (See Regional Data)

STRAW, GRASSES, OTHER FIBERS (See Rags, Etc.)

SULPHATE WOOD PULP (See Bleached and Unbleached Sulphate Wood Pulp)

SULPHITE WOOD PULP (See Bleached and Unbleached Sulphite Wood Pulp)

T

TISSUE PAPER (Also see Sanitary Paper)
- Capacity 30,31
- Capacity, by Census Division 42
- New Supply 26-29
- New Supply per Billion $ Real GNP 26-29
- Exports 36,37
- Imports 34,35
- Production 6-9

TUBE, CAN AND DRUM STOCK
- Production 21,23

U

UNBLEACHED KRAFT PAPER
- Shipments 6-9
- Capacity 30,31
- New Supply 26-29
- New Supply per Billion $ Real GNP 26-29
- Exports 36,37
- Imports 34,35

UNBLEACHED KRAFT PAPERBOARD
- Production 20,22,26-29
- Capacity, by Census Division 42
- New Supply 26-29
- New Supply per Billion $ Real GNP 26-29
- Exports 21,23,36,37
- Imports 34,35

UNBLEACHED SULPHATE WOOD PULP
- Capacity 30,31
- Capacity, by Census Division 43
- Consump. at Paper and Board Mills 53
- Exports 36,37
- Imports 34,35
- Production, by Years 52

UNBLEACHED SULPHITE WOOD PULP
- Capacity 30,31
- Capacity, by Census Division 43
- Consump. at Paper and Board Mills 53
- Exports 36,37
- Imports 34,35
- Production, by Years 52

UNCOATED FREE SHEET PAPERS (See same sub-heads as Coated Papers and Same Page Numbers)

V

VALUE ADDED BY MANUFACTURE
- Paper and Allied Prod. by 4-Digit Class. 66
- Paper and Allied Products by State 44

VALUE OF SHIPMENTS
- Paper and Allied Prod. by 4-Digit SIC Code 66
- Paper and Allied Prod., by Years, by 5-Digit SIC Code 38
- Paper and Allied Products by State 44

W

WAGES AND SALARIES (See Earnings, Average and Weekly, Salaries and Wages)

WHOLESALE PRICE INDEX (See Price Indexes)

WOOD PULP
- Consump. at Paper and Board Mills 53
- Production, by Grade, by Years 52
- Exports, by Grade and Total 36,37
- Imports, by Grade Total 34,35
- Capacity 32,33
- Capacity, by Census Division 43
- Value of Shipments (SIC 2611) 38,66

WOOD SUPPLY AND DEMAND (1977) 60